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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 163.229 Seconds
(without alignments)
3209.437 Million cell updates/sec

Title: US-09-808-388-7

Perfect score: 944

Sequence: 1 tgcggcctcggtgagcc.....cgtgactgggaaacc 944

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents NA:*
- 1: /cgn2_6/prodata/2/ina/5A COMB.seq:*
 - 2: /cgn2_6/prodata/2/ina/5B COMB.seq:*
 - 3: /cgn2_6/prodata/2/ina/6A COMB.seq:*
 - 4: /cgn2_6/prodata/2/ina/6B COMB.seq:*
 - 5: /cgn2_6/prodata/2/ina/6C COMB.seq:*
 - 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	169.6	18.0	3479	US-08-994-689C-3	Sequence 3, Appli
2	169.6	18.0	5276	US-08-994-689C-9	Sequence 9, Appli
3	169.6	18.0	7664	US-08-994-689C-10	Sequence 10, Appli
4	144	15.3	8083	US-09-383-630-4	Sequence 4, Appli
5	144	15.3	8083	US-09-383-630-5	Sequence 5, Appli
6	114.2	12.1	246	US-09-857-063-16	Sequence 16, Appli
7	114.2	12.1	282	US-09-857-063-5	Sequence 5, Appli
8	113	12.0	244	US-09-857-063-14	Sequence 14, Appli
9	113	12.0	283	US-09-857-063-3	Sequence 3, Appli
10	112.8	11.9	246	US-09-857-063-15	Sequence 15, Appli
11	112.8	11.9	283	US-09-857-063-4	Sequence 4, Appli
12	112.6	11.9	241	US-09-857-063-24	Sequence 24, Appli
13	112.6	11.9	277	US-09-857-063-12	Sequence 12, Appli
14	111.4	11.8	247	US-09-857-063-17	Sequence 17, Appli
15	111.4	11.8	256	US-09-857-063-18	Sequence 18, Appli
16	111.4	11.8	256	US-09-857-063-19	Sequence 19, Appli
17	111.4	11.8	282	US-09-857-063-6	Sequence 6, Appli
18	111.4	11.8	282	US-09-857-063-7	Sequence 7, Appli
19	111.4	11.8	282	US-09-857-063-8	Sequence 8, Appli
20	104.4	11.1	32798	US-09-604-694B-1	Sequence 1, Appli
21	104.4	11.1	34303	US-08-735-609-4	Sequence 4, Appli
22	104.4	11.1	34303	US-08-735-609-4	Sequence 4, Appli
23	104.4	11.1	34303	US-09-315-372-4	Sequence 4, Appli
24	104.4	11.1	34303	US-09-244-752-4	Sequence 4, Appli
25	104.4	11.1	34303	US-09-245-497-4	Sequence 4, Appli
26	104.4	11.1	34303	US-09-562-919-4	Sequence 4, Appli
27	104.4	11.1	34382	US-08-374-483-6	Sequence 6, Appli

28	104.4	11.1	35408	3	US-08-973-334-3	Sequence 3, Appli
29	104.4	11.1	35408	3	US-09-563-869A-3	Sequence 3, Appli
30	104.4	11.1	35408	3	US-08-549-489-3	Sequence 3, Appli
31	104.4	11.1	35871	4	US-09-956-335-2	Sequence 2, Appli
32	104.4	11.1	35935	2	US-08-735-609-1	Sequence 1, Appli
33	104.4	11.1	35935	2	US-08-735-609-1	Sequence 1, Appli
34	104.4	11.1	35935	3	US-08-379-452-43	Sequence 43, Appli
35	104.4	11.1	35935	3	US-09-315-372-1	Sequence 1, Appli
36	104.4	11.1	35935	3	US-09-244-752-1	Sequence 1, Appli
37	104.4	11.1	35935	3	US-09-409-670-43	Sequence 43, Appli
38	104.4	11.1	35935	4	US-09-562-919-1	Sequence 1, Appli
39	104.4	11.1	35935	4	US-09-956-335-1	Sequence 1, Appli
40	104.4	11.1	35978	4	US-09-956-335-1	Sequence 1, Appli
41	98	10.4	343	5	PCT-US93-08067-1	Sequence 2, Appli
42	86.8	9.2	36519	3	US-08-923-137-2	Sequence 2, Appli
43	78.8	8.3	266	5	PCT-US93-08067-2	Sequence 2, Appli
44	69.6	7.4	35524	3	US-08-923-137-1	Sequence 1, Appli
45	64.8	6.9	35081	2	US-08-752-760A-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-994-689C-3
; Sequence 3, Application US/08994689C
; Patent No. 6613958
; GENERAL INFORMATION:
; APPLICANT: Neuhold, Lisa
; TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/994,689C
FILING DATE: 1997-12-19
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Reza
REGISTRATION NUMBER: 38,475
REFERENCE/DOCKET NUMBER: 0630/0D532
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 3479 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-994-689C-3

Query Match 18.0%; Score 169.6; DB 4; Length 3479;

Best Local Similarity 80.8%; Pred. No. 7.5e-35;

Matches 210; Conservative 0; Mismatches 49; Indels 1; Gaps 1;

QY 410 CCGTGGCCGCTGCCGCCACCTTCAGATCGATTCGGATTGGCAGCGATGCTTCAGA 469

Db 987 CCTCAGTCTCCTTTGAGGCTTGTGCTTGAAGGATGCGACGAGTGGCTTCACGA 1046
QY 470 TGGGCTGAAACCCCTGCCGCTATTTATTTAAACTGGTTCTCGTGGAGAGCTGTGAATCGG 529
Db 1047 TGGGCTGAAACCCCTGCCGCTATTTATTTAACTGGTTCTCGTGGAGAGCTGTGAATCGG 1106
QY 530 GCTCTGTATGCGTTGAGAAAGCCCTCATGAGAGGCAAGCCAGTGGT-CCCCC 588
Db 1107 GCTCTGTATGCGTGCAGAAAGCCCTCATGAGAGGCAAGCCAGTGGT-CCCCC 1166
QY 589 AACTCCCGGACCCCTCTCCCAATGCAACGCTCCCGCCCTCATCCCGCCCGCCAC 648
Db 1167 GACTCCCGGACCCCTCTCCCAATATATCCCGCCCTCTCGTGGCGGCTGCCCGCAC 1226
QY 649 CCCCCGTCGCCGCTGCCGC 668
Db 1227 CTCGCCGGCTCCGCCCGC 1246

RESULT 2

US-08-994-689C-9

; Sequence 9, Application US/08994689C

; Patent No. 6613958

; GENERAL INFORMATION:

; APPLICANT: Neuhold, Lisa

; APPLICANT: Killar, Loran

; TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR

; TITLE OF INVENTION: DEGENERATIVE DISEASES OF CARTILAGE

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Darby & Darby PC

; STREET: 805 Third Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/994,689C

; FILING DATE: 1997-12-19

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Green, Reza

; REGISTRATION NUMBER: 38,475

; REFERENCE/DOCKET NUMBER: 0630/0D532

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-527-7700

; TELEFAX: 212-753-6237

; TELEX: 236687

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5276 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-08-994-689C-9

Query Match 18.0%; Score 169.6; DB 4; Length 5276;

Best Local Similarity 80.8%; Pred. No. 8.5e-35;

Matches 210; Conservative 0; Mismatches 49; Indels 1; Gaps 1;

QY 410 CCGGTGCCGCTGCCCGCCACCTTCAGATCGATCTGGGATTGGCAGCGATGGCTTCAGA 469

Db 988 CCTCAGTCTCCTTTGTGAGGCTTGTTCGGTTGAGGGATTGGCAGCGATGGCTTCAGA 1047

QY 470 TGGGCTGAAACCCCTGCCGCTATTTATTTAAACTGGTTCTCGTGGAGAGCTGTGAATCGG 529
Db 1048 TGGGCTGAAACCCCTGCCGCTATTTATTTAAACTGGTTCTCGTGGAGAGCTGTGAATCGG 1107
QY 530 GCTCTGTATGCGTTGAGAAAGCCCTCATGAGAGGCAAGCCAGTGGT-CCCCC 588
Db 1108 GCTCTGTATGCGTGCAGAAAGCCCTCATGAGAGGCAAGCCAGTGGT-CCCCC 1167
QY 589 AACTCCCGGACCCCTCTCCCAATGCAACGCTCCCGCCCTCATCCCGCCCGCCAC 648
Db 1168 GACTCCCGGACCCCTCTCCCAATATATCCCGCCCTCTCGTGGCGGCTGCCCGCAC 1227
QY 649 CCCCCGTCGCCGCTGCCGC 668
Db 1228 CTCGCCGGCTCCGCCCGC 1247

RESULT 3

US-08-994-689C-10

; Sequence 10, Application US/08994689C

; Patent No. 6613958

; GENERAL INFORMATION:

; APPLICANT: Neuhold, Lisa

; APPLICANT: Killar, Loran

; TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR

; TITLE OF INVENTION: DEGENERATIVE DISEASES OF CARTILAGE

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Darby & Darby PC

; STREET: 805 Third Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/994,689C

; FILING DATE: 1997-12-19

; CLASSIFICATION: 800

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Green, Reza

; REGISTRATION NUMBER: 38,475

; REFERENCE/DOCKET NUMBER: 0630/0D532

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-527-7700

; TELEFAX: 212-753-6237

; TELEX: 236687

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 7664 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; US-08-994-689C-10

Query Match 18.0%; Score 169.6; DB 4; Length 7664;

Best Local Similarity 80.8%; Pred. No. 9.5e-35;

Matches 210; Conservative 0; Mismatches 49; Indels 1; Gaps 1;

QY 410 CCGGTGCCGCTGCCCGCCACCTTCAGATCGATCTGGGATTGGCAGCGATGGCTTCAGA 469

Db 988 CTTAGTCTCCTCTTGTGAGGCTTGTTCGGTTGAGGATTGGCAGCGATGGCTTCAGA 1047

QY 470 TGGGCTGAAACCCCTGCCGCTATTTATTTAAACTGGTTCTCGTGGAGAGCTGTGAATCGG 529

Db 1048 TGGGCTGAAACCTCGCGTATTATTATTAACCTGTTCTCTGGAGAGCTGTGAATCGG 1107
QY 530 GCTCTGTATGCGCTTGAGAAAGCCCATTCATGAGAGCGAGCCAGTGGT-CCCC 588
Db 1108 GCTCTGTATGCGCTCGAGAAAGCCCATTCATGAGAGCGAGCCAGTGGTCCCC 1167
QY 589 AACTCCCCGACCCCTCTCCACAAATGCACAGCTCCCGGCCCTCATCCCCCCCCCAC 648
Db 1168 GACTCCCCGACCCCTCTCCACAAATATATCCCCCTCTCTGTGCGCGCTCGCCAC 1227
QY 649 CCCCCGTGCGCGCTGCGCG 668
Db 1228 CTCCCGGCTCGCGCGCGC 1247

RESULT 4

US-09-383-630-4
; Sequence 4, Application US/09383630A
; Patent No. 6265632
; GENERAL INFORMATION:
; APPLICANT: Avner Yayon et al.
; TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
; FACTOR RECEPTOR ASSOCIATED
; CHONDRODYSPLASIA
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark M. Friedman c/o Anthony Castorina
; STREET: 2001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
COMPUTER: Twinhead* Slimnote-890TX
OPERATING SYSTEM: MS DOS version 6.2,
Windows version 3.11
SOFTWARE: Word for Windows version 2.0 converted
to an ASCII file

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/383,630A

FILING DATE: 26-Aug-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Friedman, Mark M.

REGISTRATION NUMBER: 33,883

REFERENCE/DOCKET NUMBER: 1402/2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 972-3-5625553

TELEFAX: 972-3-5625554

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 8083

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-383-630-4

Query Match 15.3%; Score 144; DB 3; Length 8083;
Best Local Similarity 96.7%; Pred. No. 4.6e-28;
Matches 147; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 732 TAGTGGATCCCCCGGCTGCAGATCTGTAGGGCGCAGTAGTCCAGGGTTCTTGTATGAT 791
Db 4867 TAGTGGATCCCCCGGCTGCAGATCCCCCGGCGCAGTAGTCCAGGGTTCTTGTATGAT 4926

QY 792 GTCATACTATCTGTCCCTTTTTTTTCCACAGCTCGCGGTTGAGACAAACTCTTCGCG 851

Db 4927 GTCATACTATCTGTCCCTTTTTTTTCCACAGCTCGCGGTTGAGACAAACTCTTCGCG 4986
QY 852 GTCTTCCAGTGGGATCGACGGTATCGATAA 883
Db 4987 GTCTTCCAGTGGGATCGACGGTATCGATCA 5018

RESULT 5

US-09-383-630-5
; Sequence 5, Application US/09383630A
; Patent No. 6265632
; GENERAL INFORMATION:
; APPLICANT: Avner Yayon et al.
; TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
; FACTOR RECEPTOR ASSOCIATED
; CHONDRODYSPLASIA
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Mark M. Friedman c/o Anthony Castorina
; STREET: 2001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
COMPUTER: Twinhead* Slimnote-890TX
OPERATING SYSTEM: MS DOS version 6.2,
Windows version 3.11
SOFTWARE: Word for Windows version 2.0 converted
to an ASCII file

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/383,630A

FILING DATE: 26-Aug-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Friedman, Mark M.

REGISTRATION NUMBER: 33,883

REFERENCE/DOCKET NUMBER: 1402/2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 972-3-5625553

TELEFAX: 972-3-5625554

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 8083

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-383-630-5

Query Match 15.3%; Score 144; DB 3; Length 8083;
Best Local Similarity 96.7%; Pred. No. 4.6e-28;
Matches 147; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 732 TAGTGGATCCCCCGGCTGCAGATCTGTAGGGCGCAGTAGTCCAGGGTTCTTGTATGAT 791
Db 4867 TAGTGGATCCCCCGGCTGCAGATCCCCCGGCGCAGTAGTCCAGGGTTCTTGTATGAT 4926

QY 792 GTCATACTATCTGTCCCTTTTTTTTCCACAGCTCGCGGTTGAGACAAACTCTTCGCG 851
Db 4927 GTCATACTATCTGTCCCTTTTTTTTCCACAGCTCGCGGTTGAGACAAACTCTTCGCG 4986

QY 852 GTCTTCCAGTGGGATCGACGGTATCGATAA 883

Db 4987 GTCTTCCAGTGGGATCGACGGTATCGATCA 5018

RESULT 6

US-09-857-063-16

; Sequence 16, Application US/09857063

; Patent No. 6579681

; GENERAL INFORMATION:

; APPLICANT: Huls, Christoph

; APPLICANT: Bauer, Bettina

; APPLICANT: Simandi, Claus

; APPLICANT: Luhrmann, Reinhard

; APPLICANT: Achsel, Tilmann

; APPLICANT: Vornlocher, Hans-Peter

; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof

; FILE REFERENCE: 199at.01.us (8602*34)

; CURRENT APPLICATION NUMBER: US/09/857,063

; CURRENT FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: PCT/EP00/01595

; PRIOR FILING DATE: 2000-02-25

; PRIOR APPLICATION NUMBER: DE 199 09 156.0

; PRIOR FILING DATE: 1999-03-02

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 16

; LENGTH: 246

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: pre-mRNA

US-09-857-063-16

Query Match 12.1%; Score 114.2; DB 4; Length 246;

Best Local Similarity 87.4%; Pred. No. 9.4e-21;

Matches 125; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 727 AGCTCTAGTGGATCCCGGGCTGCAGATCTGTAGGCGCAGTAGTCACAGGTTTCCTTG 786

DB 103 AGCACTTCGAGCCCAAGCTTGTCAGCTGTAGGCGCAGTAGTCACAGGTTTCCTTG 162

QY 787 ATGATGTCATATCTATCTCTCCCTTTTTCACAGCTCGCGGTGAGGACAAACTCT 846

DB 163 ATGATGTCATATCTATCTCTCCCTTTTTCACAGCTCGCGGTGAGGACAAACTCT 222

QY 847 TCGCGTCTTCCAGTGGGATC 869

DB 223 TCGCGTCTTCCAGTGGGATC 245

RESULT 7

US-09-857-063-5

; Sequence 5, Application US/09857063

; Patent No. 6579681

; GENERAL INFORMATION:

; APPLICANT: Huls, Christoph

; APPLICANT: Bauer, Bettina

; APPLICANT: Simandi, Claus

; APPLICANT: Luhrmann, Reinhard

; APPLICANT: Achsel, Tilmann

; APPLICANT: Vornlocher, Hans-Peter

; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof

; FILE REFERENCE: 199at.01.us (8602*34)

; CURRENT APPLICATION NUMBER: US/09/857,063

; CURRENT FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: PCT/EP00/01595

; PRIOR FILING DATE: 2000-02-25

; PRIOR APPLICATION NUMBER: DE 199 09 156.0

; PRIOR FILING DATE: 1999-03-02

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 5

; LENGTH: 282

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: pre-mRNA

US-09-857-063-5

Query Match 12.1%; Score 114.2; DB 4; Length 282;

Best Local Similarity 87.4%; Pred. No. 9.7e-21;

Matches 125; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 727 AGCTCTAGTGGATCCCGGGCTGCAGATCTGTAGGCGCAGTAGTCACAGGTTTCCTTG 786

DB 139 AGCACTTCGAGCCCAAGCTTGTCAGCTGTAGGCGCAGTAGTCACAGGTTTCCTTG 198

QY 787 ATGATGTCATATCTATCTCTCCCTTTTTCACAGCTCGCGGTGAGGACAAACTCT 846

DB 199 ATGATGTCATATCTATCTCTCCCTTTTTCACAGCTCGCGGTGAGGACAAACTCT 258

QY 847 TCGCGTCTTCCAGTGGGATC 869

DB 259 TCGCGTCTTCCAGTGGGATC 281

RESULT 8

US-09-857-063-14

; Sequence 14, Application US/09857063

; Patent No. 6579681

; GENERAL INFORMATION:

; APPLICANT: Huls, Christoph

; APPLICANT: Bauer, Bettina

; APPLICANT: Simandi, Claus

; APPLICANT: Luhrmann, Reinhard

; APPLICANT: Achsel, Tilmann

; APPLICANT: Vornlocher, Hans-Peter

; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof

; FILE REFERENCE: 199at.01.us (8602*34)

; CURRENT APPLICATION NUMBER: US/09/857,063

; CURRENT FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: PCT/EP00/01595

; PRIOR FILING DATE: 2000-02-25

; PRIOR APPLICATION NUMBER: DE 199 09 156.0

; PRIOR FILING DATE: 1999-03-02

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 14

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: pre-mRNA

US-09-857-063-14

Query Match 12.0%; Score 113; DB 4; Length 244;

Best Local Similarity 95.9%; Pred. No. 1.9e-20;

Matches 116; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 757 TCTAGGGCGCAGTAGTCACAGGTTTCCTTGATGATGTCATCTTATCTGTCCTCTTTT 816

DB 85 TCTAGGGCGCAGTAGTCACAGGTTTCCTTGATGATGTCATCTTATCTGTCCTCTTTT 144

QY 817 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTTCAGTGGGATCGAGGTA 876

DB 145 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTTCAGTGGGATCGAGGTA 204

QY 877 T 877

DB 205 T 205

RESULT 9

US-09-857-063-3

; Sequence 3, Application US/09857063

; Patent No. 6579681

; GENERAL INFORMATION:

; APPLICANT: Huls, Christoph

; APPLICANT: Bauer, Bettina

; APPLICANT: Simandi, Claus

APPLICANT: Luhrmann, Reinhard
APPLICANT: Achsel, Tilmann
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
FILE REFERENCE: 199at.01.us (8602*34)
CURRENT APPLICATION NUMBER: US/09/857,063
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: PCT/EP00/01595
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: DE 199 09 156.0
PRIOR FILING DATE: 1999-03-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 283
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: pre-mRNA
US-09-857-063-3

Query Match 12.0%; Score 113; DB 4; Length 283;
Best Local Similarity 95.9%; Pred. No. 2e-20;
Matches 116; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 757 TGTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 816

Db 124 TCTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 183

QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 876

Db 184 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 243

QY 877 T 877

Db 244 T 244

RESULT 10
US-09-857-063-15
Sequence 15, Application US/09857063
Patent No. 6579681
GENERAL INFORMATION:
APPLICANT: Huls, Christoph
APPLICANT: Bauer, Bettina
APPLICANT: Simandi, Claus
APPLICANT: Luhrmann, Reinhard
APPLICANT: Achsel, Tilmann
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
FILE REFERENCE: 199at.01.us (8602*34)
CURRENT APPLICATION NUMBER: US/09/857,063
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: PCT/EP00/01595
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: DE 199 09 156.0
PRIOR FILING DATE: 1999-03-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 15
LENGTH: 246
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: pre-mRNA
US-09-857-063-15

Query Match 11.9%; Score 112.8; DB 4; Length 246;
Best Local Similarity 98.3%; Pred. No. 2.2e-20;
Matches 114; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 757 TGTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 816

Db 88 TCTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 147

QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 872

Db 148 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 203

RESULT 11

US-09-857-063-4
Sequence 4, Application US/09857063
Patent No. 6579681
GENERAL INFORMATION:
APPLICANT: Huls, Christoph
APPLICANT: Bauer, Bettina
APPLICANT: Simandi, Claus
APPLICANT: Luhrmann, Reinhard
APPLICANT: Achsel, Tilmann
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
FILE REFERENCE: 199at.01.us (8602*34)
CURRENT APPLICATION NUMBER: US/09/857,063
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: PCT/EP00/01595
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: DE 199 09 156.0
PRIOR FILING DATE: 1999-03-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 283
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: pre-mRNA
US-09-857-063-4

Query Match 11.9%; Score 112.8; DB 4; Length 283;
Best Local Similarity 98.3%; Pred. No. 2.3e-20;
Matches 114; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 757 TGTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 816

Db 125 TCTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATCTATCTCTGTCCTCTTTT 184

QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 872

Db 185 TTCCACAGCTCGCGTTGAGGACAACTCTTCGGGTCTTTCCAGTGGGGATCGAC 240

RESULT 12

US-09-857-063-24
Sequence 24, Application US/09857063
Patent No. 6579681
GENERAL INFORMATION:
APPLICANT: Huls, Christoph
APPLICANT: Bauer, Bettina
APPLICANT: Simandi, Claus
APPLICANT: Luhrmann, Reinhard
APPLICANT: Achsel, Tilmann
APPLICANT: Vornlocher, Hans-Peter
TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
FILE REFERENCE: 199at.01.us (8602*34)
CURRENT APPLICATION NUMBER: US/09/857,063
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: PCT/EP00/01595
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: DE 199 09 156.0
PRIOR FILING DATE: 1999-03-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 24
LENGTH: 241
TYPE: DNA

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pre-mRNA
US-09-857-063-24

Query Match      11.9%; Score 112.6; DB 4; Length 241;
Best Local Similarity 96.6%; Pred. No. 2.4e-20;
Matches 115; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 816
Db 88 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 147
QY 817 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATCGACGGT 875
Db 148 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATCGGGAT 206

RESULT 13
US-09-857-063-12
; Sequence 12, Application US/09857063
; Patent No. 6579681
; GENERAL INFORMATION:
; APPLICANT: Huls, Christoph
; APPLICANT: Bauer, Bettina
; APPLICANT: Simandi, Claus
; APPLICANT: Luhrmann, Reinhard
; APPLICANT: Achsel, Tilmann
; APPLICANT: Vornlocher, Hans-Peter
; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
; FILE REFERENCE: 199at.01.us (8602*34)
; CURRENT APPLICATION NUMBER: US/09/857,063
; CURRENT FILING DATE: 2001-08-29
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: PCT/EP00/01595
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: DE 199 09 156.0
; PRIOR FILING DATE: 1999-03-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 12
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pre-mRNA
US-09-857-063-12

Query Match      11.9%; Score 112.6; DB 4; Length 277;
Best Local Similarity 96.6%; Pred. No. 2.5e-20;
Matches 115; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 816
Db 124 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 183
QY 817 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATCGACGGT 875
Db 184 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATCGGGAT 242

RESULT 14
US-09-857-063-17
; Sequence 17, Application US/09857063
; Patent No. 6579681
; GENERAL INFORMATION:
; APPLICANT: Huls, Christoph
; APPLICANT: Bauer, Bettina
; APPLICANT: Simandi, Claus
; APPLICANT: Luhrmann, Reinhard
; APPLICANT: Achsel, Tilmann
; APPLICANT: Vornlocher, Hans-Peter
; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
; FILE REFERENCE: 199at.01.us (8602*34)
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; CURRENT APPLICATION NUMBER: US/09/857,063
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: PCT/EP00/01595
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: DE 199 09 156.0
; PRIOR FILING DATE: 1999-03-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 17
; LENGTH: 247
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pre-mRNA
US-09-857-063-17

Query Match      11.8%; Score 111.4; DB 4; Length 247;
Best Local Similarity 99.1%; Pred. No. 5e-20;
Matches 112; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 816
Db 134 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 193
QY 817 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATC 869
Db 194 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATC 246

RESULT 15
US-09-857-063-18
; Sequence 18, Application US/09857063
; Patent No. 6579681
; GENERAL INFORMATION:
; APPLICANT: Huls, Christoph
; APPLICANT: Bauer, Bettina
; APPLICANT: Simandi, Claus
; APPLICANT: Luhrmann, Reinhard
; APPLICANT: Achsel, Tilmann
; APPLICANT: Vornlocher, Hans-Peter
; TITLE OF INVENTION: Test System for Detecting a Splicing Reaction and Use Thereof
; FILE REFERENCE: 199at.01.us (8602*34)
; CURRENT APPLICATION NUMBER: US/09/857,063
; CURRENT FILING DATE: 2001-08-29
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: PCT/EP00/01595
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: DE 199 09 156.0
; PRIOR FILING DATE: 1999-03-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 18
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: pre-mRNA
US-09-857-063-18

Query Match      11.8%; Score 111.4; DB 4; Length 256;
Best Local Similarity 99.1%; Pred. No. 5.1e-20;
Matches 112; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 816
Db 143 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTATCCCTGTCCTCTTTT 202
QY 817 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATC 869
Db 203 TTCCACAGCTCGCGGTGAGGACAAACTCTTCGCGGTCTTCCAGTGGGATC 255

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 1065.28 Seconds
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3324.350 Million cell updates/sec

Title: US-09-808-388-7
Perfect score: 944
Sequence: 1 tgcggcctcgctgagcc.....cgtcgtactgggaaaccc 944

Scoring table: IDENTITY NUC

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Searched: 2475585 seqs, 1875730760 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

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- 12: /cgn2_6/ptodata/2/pubpna/US09D_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	944	100.0	944	9	US-09-808-388-7
2	169.6	18.0	3479	14	US-10-375-884-3
3	169.6	18.0	5276	14	US-10-375-884-9
4	169.6	18.0	7664	14	US-10-375-884-10
5	122.4	13.0	5887	14	US-10-277-161-73
6	104.4	11.1	1240	9	US-09-847-101B-28
7	104.4	11.1	1240	10	US-09-482-682-32
8	104.4	11.1	7231	9	US-09-847-101B-42
9	104.4	11.1	7231	10	US-09-482-682-64
10	104.4	11.1	7960	9	US-09-847-101B-30
11	104.4	11.1	7960	10	US-09-482-682-44
12	104.4	11.1	7989	9	US-09-847-101B-33
13	104.4	11.1	7989	10	US-09-482-682-47
14	104.4	11.1	8383	9	US-09-847-101B-29
15	104.4	11.1	8383	10	US-09-482-682-43

16	104.4	11.1	8484	10	US-09-482-682-65	Sequence 65, Appl
17	104.4	11.1	10491	14	US-10-359-050-18	Sequence 18, Appl
18	104.4	11.1	11784	14	US-10-359-050-20	Sequence 20, Appl
19	104.4	11.1	11784	15	US-10-014-099F-106	Sequence 106, App
20	104.4	11.1	12538	14	US-10-359-050-12	Sequence 12, Appl
21	104.4	11.1	12645	14	US-10-359-050-13	Sequence 13, Appl
22	104.4	11.1	30365	12	US-10-384-136-4	Sequence 4, Appli
23	104.4	11.1	31672	12	US-10-384-136-3	Sequence 3, Appli
24	104.4	11.1	31880	15	US-10-427-717-507	Sequence 507, App
25	104.4	11.1	32480	9	US-09-847-101B-23	Sequence 23, Appl
26	104.4	11.1	32480	10	US-09-482-682-27	Sequence 27, Appl
27	104.4	11.1	32798	14	US-10-424-638-1	Sequence 1, Appli
28	104.4	11.1	33622	15	US-10-403-337-44	Sequence 44, Appl
29	104.4	11.1	33622	15	US-10-351-890-44	Sequence 44, Appl
30	104.4	11.1	33855	15	US-10-383-846-5	Sequence 5, Appli
31	104.4	11.1	34427	10	US-09-111-911-5	Sequence 5, Appli
32	104.4	11.1	34555	14	US-10-117-982-479	Sequence 479, App
33	104.4	11.1	34555	15	US-10-313-986-479	Sequence 1, Appli
34	104.4	11.1	34573	15	US-10-383-846-1	Sequence 1, Appli
35	104.4	11.1	34616	12	US-10-384-136-2	Sequence 2, Appli
36	104.4	11.1	35211	15	US-10-403-337-43	Sequence 43, Appl
37	104.4	11.1	35211	15	US-10-351-890-43	Sequence 43, Appl
38	104.4	11.1	35408	14	US-10-155-649-3	Sequence 3, Appli
39	104.4	11.1	35871	9	US-09-956-335-2	Sequence 2, Appli
40	104.4	11.1	35935	9	US-09-725-720-43	Sequence 43, Appl
41	104.4	11.1	35935	9	US-09-782-378A-4	Sequence 4, Appli
42	104.4	11.1	35935	9	US-09-782-378A-5	Sequence 5, Appli
43	104.4	11.1	35935	10	US-09-739-007-43	Sequence 43, Appl
44	104.4	11.1	35937	9	US-09-782-378A-3	Sequence 3, Appli
45	104.4	11.1	35978	9	US-09-956-335-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-808-388-7
; Sequence 7, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 944
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequence conferring specificity of expression
US-09-808-388-7

Query Match 100.0%; Score 944; DB 9; Length 944;
Best Local Similarity 100.0%; Pred. No. 1.5e-268;
Matches 944; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGC GGCTCG CGGTGAGCCCTGATCCCGCTCCCGGCTCCCGAGTCGCTGGTGTCTGCA 60

Db 1 TGC GGCTCG CGGTGAGCCCTGATCCCGCTCCCGGCTCCCGAGTCGCTGGTGTCTGCA 60

QY 61 CGTCTCATCGCCGCGGTCTCTACGGTGTACGGGCCAGGATGCCCGTAGTGCCTCCGCG 120

QY 589 AACTCCCGAGCCCTCTCCACAAATGCACAGCCTCCCGCCCTCATCCCGCCCGCCAC 648
 Db 1168 GACTCCCGAGCCCTCTCCACAAATGCACAGCCTCCCGCCCTCATCCCGCCCGCCAC 1227
 QY 649 CCCCGTGCCTCCCGCCGCGC 668
 Db 1228 CTCCTCGGCTCCGCGCCGCGC 1247

RESULT 4
 US-10-375-884-10
 ; Sequence 10, Application US/10375884
 ; Publication No. US20030159165A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NEUHOLD, Lisa A.
 ; APPLICANT: KILLAR, Loran Marie
 ; TITLE OF INVENTION: TRANSGENIC ANIMAL MODEL FOR DEGENERATIVE DISEASES OF CARTILAGE
 ; FILE REFERENCE: 0630/ID532US2
 ; CURRENT APPLICATION NUMBER: US/10/375,884
 ; CURRENT FILING DATE: 2003-02-27
 ; PRIOR APPLICATION NUMBER: US 08/994,689
 ; PRIOR FILING DATE: 1997-12-19
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 10
 ; LENGTH: 7664
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: transgene
 US-10-375-884-10

Query Match 18.0%; Score 169.6; DB 14; Length 7664;
 Best Local Similarity 80.8%; Pred. No. 1.3e-39;
 Matches 210; Conservative 0; Mismatches 49; Indels 1; Gaps 1;
 QY 410 CCCTGCGCGCTGCGCCACCTTCAGATCGATCTGGGATTCGCGAGATCGCGATCGCTCCAGA 469
 Db 988 CCTCAGTCTCTCTTTGTGAGGCTTTGCTGAGGATTCGCGAGATTCGCGAGATTCGCGATTCAGA 1047
 QY 470 TGGCTGAACCTGCGCCGCTATTTAACTGTTCTCGTGGAGAGCTGTGAATCGG 529
 Db 1048 TGGCTGAACCTGCGCCGCTATTTAACTGTTCTCGTGGAGAGCTGTGAATCGG 1107
 QY 530 GCTCTGTATGCTGTGAGAAAGCCCATTCATGAGGCAAGGCGCAGTGGGT-CCCCC 588
 Db 1108 GCTCTGTATGCTGTGAGAAAGCCCATTCATGAGGCAAGGCGCAGTGGGTCCCCC 1167
 QY 589 AACTCCCGAGCCCTCTCCACAAATGCACAGCCTCCCGCCCTCATCCCGCCCGCCAC 648
 Db 1168 GACTCCCGAGCCCTCTCCACAAATGCACAGCCTCCCGCCCTCATCCCGCCCGCCAC 1227
 QY 649 CCCCGTGCCTCCCGCCGCGC 668
 Db 1228 CTCCTCGGCTCCGCGCCGCGC 1247

RESULT 5
 US-10-277-161-73
 ; Sequence 73, Application US/10277161
 ; Publication No. US20030194696A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Zauderer, Maurice
 ; APPLICANT: Smith, Ernest S.
 ; TITLE OF INVENTION: Methods of Producing a Library and Methods of Selecting Polynucle
 ; FILE REFERENCE: 1821.0050006
 ; CURRENT APPLICATION NUMBER: US/10/277,161
 ; CURRENT FILING DATE: 2002-10-22
 ; PRIOR APPLICATION NUMBER: 60/192,586
 ; PRIOR FILING DATE: 2000-03-28
 ; PRIOR APPLICATION NUMBER: 60/203,343

; PRIOR FILING DATE: 2000-05-10
 ; PRIOR APPLICATION NUMBER: 60/263,226
 ; PRIOR FILING DATE: 2001-01-23
 ; PRIOR APPLICATION NUMBER: 60/271,426
 ; PRIOR FILING DATE: 2001-02-27
 ; PRIOR APPLICATION NUMBER: 09/818,991
 ; PRIOR FILING DATE: 2001-03-28
 ; NUMBER OF SEQ ID NOS: 76
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 73
 ; LENGTH: 5887
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-277-161-73

Query Match 13.0%; Score 122.4; DB 14; Length 5887;
 Best Local Similarity 79.7%; Pred. No. 1e-25;
 Matches 169; Conservative 0; Mismatches 41; Indels 2; Gaps 2;
 QY 445 GGGATTGGCAGCATGGCTTCAGAT-GGCTGAAACCCCTGCGCCGCTATTTAACTG 503
 Db 3830 GAGATTGGCAGCATGGCTTCAGATGGGCTGAAACGCTGCGCTATTTAACTG 3889
 QY 504 GTTCTCTGAGAGCTGTGAATCGGCTCTGTATGCGCTTGAGAAAGCCCATTCATG 563
 Db 3890 GTTCTCTGAGAGCTGTGAATCGGCTCTGTATGCGCTTGAGAAAGCCCATTCATG 3949
 QY 564 AGAGCAAGGCGCAGTGGG-TCCCCCAACTCCCCGACCCCTCTCCCAATGCACAGC 622
 Db 3950 AGAGCAAGGCTCCAGTGGGTTCTCTGCTACTCCGAGCCCTCTCCCAATGCACAGC 4009
 QY 623 CTCCTCGGCTCATCCCCCCCCCACCCTCCG 654
 Db 4010 TGTGCGCGCGCGCCGCGCCACCTCTCTGCTCCAG 4041

RESULT 6
 US-09-847-101B-28
 ; Sequence 28, Application US/09847101B
 ; Publication No. US20020193327A1
 ; GENERAL INFORMATION:
 ; APPLICANT: VON SEGGERN, DANIEL
 ; APPLICANT: NEMEROW, GLEN R.
 ; APPLICANT: FRIEDLANDER, MARTIN
 ; TITLE OF INVENTION: VECTORS FOR OCULAR TRANSDUCTION AND USE THEREFOR FOR GENETIC THE
 ; FILE REFERENCE: 22908-1226B
 ; CURRENT APPLICATION NUMBER: US/09/847,101B
 ; CURRENT FILING DATE: 2001-05-01
 ; PRIOR APPLICATION NUMBER: 09/562,934
 ; PRIOR FILING DATE: 2000-05-01
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 28
 ; LENGTH: 1240
 ; TYPE: DNA
 ; ORGANISM: adenovirus
 US-09-847-101B-28

Query Match 11.1%; Score 104.4; DB 9; Length 1240;
 Best Local Similarity 99.1%; Pred. No. 1.4e-20;
 Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 757 TGTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTATCTATCTGTCCTCTTTT 816
 Db 1001 TCTAGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTATCTATCTGTCCTCTTTT 1060
 QY 817 TTCCACAGCTCGCGTTCAGGACAACTCTTCGCGCTTTTCCACT 862
 Db 1061 TTCCACAGCTCGCGTTCAGGACAACTCTTCGCGCTTTTCCACT 1106

RESULT 7
 US-09-482-682-32

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; Sequence 32, Application US/09482682
; Publication No. US20030157688A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: HALLENBECK, PAUL
; APPLICANT: STEVENSON, SUSAN
; APPLICANT: SKRIPCHENKO, YELENA
; TITLE OF INVENTION: ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS,
; TITLE OF INVENTION: AND METHODS FOR PREPARATION AND USE
; FILE REFERENCE: 1294.0010001
; CURRENT APPLICATION NUMBER: US/09/482,682
; CURRENT FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 1240
; TYPE: DNA
; ORGANISM: adenovirus
US-09-482-682-32

Query Match      11.1%; Score 104.4; DB 10; Length 1240;
Best Local Similarity 99.1%; Pred. No. 1.4e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 816
Db 1001 TCTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 1060

QY 817 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 862
Db 1061 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 1106

RESULT 8
US-09-847-101B-42
; Sequence 42, Application US/09847101B
; Publication No. US20020193327A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: FRIEDLANDER, MARTIN
; TITLE OF INVENTION: VECTORS FOR OCULAR TRANSDUCTION AND USE THEREFOR FOR GENETIC THER
; FILE REFERENCE: 22908-1226B
; CURRENT APPLICATION NUMBER: US/09/847,101B
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/562,934
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 7231
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pdV80
US-09-847-101B-42

Query Match      11.1%; Score 104.4; DB 9; Length 7231;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 816
Db 1849 TCTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 1908

QY 817 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 862
Db 1909 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 1954

RESULT 9
US-09-482-682-64

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; Sequence 64, Application US/09482682
; Publication No. US20030157688A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: HALLENBECK, PAUL
; APPLICANT: STEVENSON, SUSAN
; APPLICANT: SKRIPCHENKO, YELENA
; TITLE OF INVENTION: ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS,
; TITLE OF INVENTION: AND METHODS FOR PREPARATION AND USE
; FILE REFERENCE: 1294.0010001
; CURRENT APPLICATION NUMBER: US/09/482,682
; CURRENT FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 64
; LENGTH: 7231
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid
US-09-482-682-64

Query Match      11.1%; Score 104.4; DB 10; Length 7231;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 816
Db 1849 TCTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 1908

QY 817 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 862
Db 1909 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 1954

RESULT 10
US-09-847-101B-30
; Sequence 30, Application US/09847101B
; Publication No. US20020193327A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: FRIEDLANDER, MARTIN
; TITLE OF INVENTION: VECTORS FOR OCULAR TRANSDUCTION AND USE THEREFOR FOR GENETIC THER
; FILE REFERENCE: 22908-1226B
; CURRENT APPLICATION NUMBER: US/09/847,101B
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/562,934
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
; LENGTH: 7960
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pdV67
US-09-847-101B-30

Query Match      11.1%; Score 104.4; DB 9; Length 7960;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 757 TGTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 816
Db 1929 TCTAGGGCGGAGTAGTCCAGGGTTTCCTTGATGATGTCATACCTATCCTGTCCTCTTTT 1988

QY 817 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 862
Db 1989 TTCCACAGCTCGGGTTGAGGACAAACTCTTCGGGTCCTTCCAGT 2034

```

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RESULT 11
US-09-482-682-44
; Sequence 44, Application US/09482682
; Publication No. US20030157688A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: HALLENBECK, PAUL
; APPLICANT: STEVENSON, SUSAN
; APPLICANT: SKRIPCHENKO, YELENA
; TITLE OF INVENTION: ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS,
; TITLE OF INVENTION: AND METHODS FOR PREPARATION AND USE
; FILE REFERENCE: 1294.0010001
; CURRENT APPLICATION NUMBER: US/09/482,682
; CURRENT FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 7960
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid
US-09-482-682-44
Query Match 11.1%; Score 104.4; DB 10; Length 7960;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 1988
Db 1929 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 1988
QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 862
Db 1989 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 2034
RESULT 12
US-09-847-101B-33
; Sequence 33, Application US/09847101B
; Publication No. US20020193327A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: FRIEDLANDER, MARTIN
; TITLE OF INVENTION: VECTORS FOR OCULAR TRANSDUCTION AND USE THEREFOR FOR GENETIC THER
; FILE REFERENCE: 22908-1226B
; CURRENT APPLICATION NUMBER: US/09/847,101B
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/562,934
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 4242
; OTHER INFORMATION: N is any
; NAME/KEY: misc.feature
; LOCATION: 4245
; OTHER INFORMATION: N is any
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pDV69
US-09-847-101B-33
Query Match 11.1%; Score 104.4; DB 9; Length 7989;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 816
Db 1929 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 1988
QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 862
Db 1989 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 2034
RESULT 13
US-09-482-682-47
; Sequence 47, Application US/09482682
; Publication No. US20030157688A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: HALLENBECK, PAUL
; APPLICANT: STEVENSON, SUSAN
; APPLICANT: SKRIPCHENKO, YELENA
; TITLE OF INVENTION: ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS,
; TITLE OF INVENTION: AND METHODS FOR PREPARATION AND USE
; FILE REFERENCE: 1294.0010001
; CURRENT APPLICATION NUMBER: US/09/482,682
; CURRENT FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid
US-09-482-682-47
Query Match 11.1%; Score 104.4; DB 10; Length 7989;
Best Local Similarity 99.1%; Pred. No. 2.3e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 757 TGTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 816
Db 1929 TCTAGGGCGCAGTAGTCCAGGGTTTCCTTGATGATGTCATATCTTCCTGCTCCCTTTT 1988
QY 817 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 862
Db 1989 TTCCACAGCTCGCGTTGAGGACAACTCTTCGCGTCTTTCCAGT 2034
RESULT 14
US-09-847-101B-29
; Sequence 29, Application US/09847101B
; Publication No. US20020193327A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: FRIEDLANDER, MARTIN
; TITLE OF INVENTION: VECTORS FOR OCULAR TRANSDUCTION AND USE THEREFOR FOR GENETIC THE
; FILE REFERENCE: 22908-1226B
; CURRENT APPLICATION NUMBER: US/09/847,101B
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/562,934
; PRIOR FILING DATE: 2000-05-01
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 8383
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid pDV60
US-09-847-101B-29
Query Match 11.1%; Score 104.4; DB 9; Length 8383;
Best Local Similarity 99.1%; Pred. No. 2.4e-20;
Matches 105; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy	757	TGTAGGGCGAGTAGTCCAGGGTTTCTTGATGATGTCATATCTCTCCCTTTTT	816
Db	1907	TCTAGGGCGAGTAGTCCAGGGTTTCTTGATGATGTCATATCTCTCTCCCTTTTT	1966
Qy	817	TTCCACAGCTCGCGGGTTGAGACAAACTCTTCGCGGTCTTTCAGT	862
Db	1967	TTCCACAGCTCGCGGGTTGAGACAAACTCTTCGCGGTCTTTCAGT	2012

RESULT 15

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US-09-482-682-43
; Sequence 43, Application US/09482682
; Publication No. US20030157688A1
; GENERAL INFORMATION:
; APPLICANT: VON SEGGERN, DANIEL
; APPLICANT: NEMEROW, GLEN R.
; APPLICANT: HALLENBECK, PAUL
; APPLICANT: STEVENSON, SUSAN
; APPLICANT: SKRIPCHENKO, YELENA
; TITLE OF INVENTION: ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS,
; AND METHODS FOR PREPARATION AND USE
; FILE REFERENCE: 1294.0010001
; CURRENT APPLICATION NUMBER: US/09/482,682
; CURRENT FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43
; LENGTH: 8383
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: plasmid
US-09-482-682-43

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Query Match	11.1%	Score 104.4	DB 10	Length 8383
Best Local Similarity	99.1%	Pred. No. 2.4e-20		
Matches 105	Conservative 0	Mismatches 1	Indels 0	Gaps 0
QY	757	TGTAGGGCGCAGTAGTCACAGGGTTTCCTGATGATGTCACTATATCCTGTCCCTTTTT	816	
Db	1907	TCTAGGGCGCAGTAGTCACAGGGTTTCCTGATGATGTCACTATATCCTGTCCCTTTTT	1966	

QY	817	TTCCACAGCTCGCGGTTGAGGACAAACTCTTCGGGCTCTTTCCAGT	862
pB	1967	TTCCACAGCTCGCGGTTGAGGACAAACTCTTCGGGCTCTTTCCAGT	2012

Search completed: April 9, 2004, 06:43:23
Job time : 1067.28 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 57.4069 Seconds
(without alignment)
3209.437 Million cell updates/sec

Title: US-09-808-388-6
Perfect score: 332
Sequence: 1 gtaccaattcacaaacta.....caactctggagctcctcgag 332

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
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5: /cgn2_6/prodata/2/ina/PCUS_COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.8	10.2	420	4	US-09-547-435-17
2	33.8	10.2	1441	4	US-09-547-435-13
3	33.8	10.2	2236	4	US-09-547-435-5
4	33.8	10.2	2604	4	US-09-547-435-23
5	33.8	10.2	2701	4	US-09-547-435-1
6	33.8	10.2	3384	4	US-09-547-435-29
C 7	31.8	9.6	1036	4	US-09-205-258-86
C 8	30.6	9.2	305	3	US-09-328-111-618
C 9	30.6	9.2	2895	4	US-09-016-434-1143
10	30.4	9.2	1549	2	US-08-856-444-1
11	30.2	9.1	340	4	US-09-833-381-1715
12	30.2	9.1	1794	4	US-09-620-3120-988
C 13	29.6	8.9	9299	3	US-08-458-434A-7
14	29.4	8.9	891	4	US-09-711-164-156
15	29.2	8.8	3111	2	US-09-014-969-12
C 16	29	8.7	204	4	US-09-506-729-37
C 17	29	8.7	455	4	US-09-621-976-2670
C 18	29	8.7	1883	1	US-08-202-056-2
C 19	29	8.7	1933	1	US-08-076-093A-1
C 20	29	8.7	1933	1	US-08-410-451-1
C 21	29	8.7	1933	1	US-08-410-455-1
C 22	29	8.7	1933	1	US-08-418-919-1
C 23	29	8.7	1933	1	US-08-410-453A-2
C 24	29	8.7	1933	1	US-08-701-265-1
C 25	29	8.7	1933	1	US-08-410-454A-2
C 26	29	8.7	1933	2	US-08-284-586-1
C 27	29	8.7	1933	2	US-08-410-456A-2

C 28	29	8.7	1933	2	US-08-805-478-1	Sequence 1, Appli
C 29	29	8.7	1933	2	US-08-802-627A-1	Sequence 1, Appli
C 30	29	8.7	1933	2	US-08-801-238-1	Sequence 1, Appli
C 31	29	8.7	1933	2	US-08-801-228-1	Sequence 1, Appli
C 32	29	8.7	1933	3	US-09-104-296-1	Sequence 1, Appli
C 33	29	8.7	1933	4	US-09-023-655-1134	Sequence 1134, Ap
C 34	29	8.7	1933	5	PCT-US94-06380-1	Sequence 321, App
C 35	28.8	8.7	231	4	US-09-023-655-321	Sequence 321, App
C 36	28.8	8.7	663	4	US-09-107-532A-2422	Sequence 2422, Ap
C 37	28.6	8.6	3728	1	US-08-111-939-1	Sequence 1, Appli
38	28.4	8.6	501	4	US-09-252-931A-1881	Sequence 1881, Ap
C 39	28.4	8.6	666	4	US-09-252-991A-2156	Sequence 2156, Ap
40	28.4	8.6	708	4	US-09-252-991A-1729	Sequence 1729, Ap
C 41	28.4	8.6	897	4	US-09-252-991A-2083	Sequence 2083, Ap
42	28.4	8.6	1119	4	US-09-252-991A-1806	Sequence 1806, Ap
43	28.4	8.6	2992	4	US-09-362-123A-3	Sequence 3, Appli
44	28.4	8.6	9053	4	US-09-976-594-306	Sequence 306, App
C 45	28.2	8.5	33	1	US-08-186-895-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1

US-09-547-435-17

; Sequence 17, Application US/09547435

; Patent No. 6582957

; GENERAL INFORMATION:

; APPLICANT: Turner, C. Alexander, Jr.

; APPLICANT: Zambrowicz, Brian

; APPLICANT: Nehls, Michael

; APPLICANT: Friedrich, Glenn

; APPLICANT: Sands, Arthur T.

; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides

; TITLE OF INVENTION: Encoding the Same

; FILE REFERENCE: 7705.0009-00000

; CURRENT APPLICATION NUMBER: US/09/547,435

; NUMBER OF SEQ ID NOS: 29

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 17

; LENGTH: 420

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-547-435-17

Query Match 10.2%; Score 33.8; DB 4; Length 420;

Best Local Similarity 53.4%; Pred. No. 0.061;

Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCTCTGCCAGCTGATGAGGGGAAGAAAGGATTAACCTAGGGGTATGGCGACCAA 188

Db 36 CTCTGCCAGCAGCTGCTGTCAACAGTGGGAGCATGACTTTGGGGCTTGATGCCAA 95

QY 189 TCTGTAGTCCCAACTGACACGCGCATCCCGAGCTTTGTGCTTACCTACCCCAACC 248

Db 96 TGTCTCATCATCATGAGGAGCCGCCACCCAGACCAAGGGGACCCACCCCTGTAAGAC 155

QY 249 TCCGAGGGAGC 261

Db 156 TTACTTAGACACC 168

RESULT 2

US-09-547-435-13

; Sequence 13, Application US/09547435

; Patent No. 6582957

; GENERAL INFORMATION:

; APPLICANT: Turner, C. Alexander, Jr.

; APPLICANT: Zambrowicz, Brian

; APPLICANT: Nehls, Michael

; APPLICANT: Friedrich, Glenn

; APPLICANT: Sands, Arthur T.

```
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 1441
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-13

Query Match      10.2%; Score 33.8; DB 4; Length 1441;
Best Local Similarity 53.4%; Pred. No. 0.12; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCCTGCCAGCTGATGAGGGGAGGAAAGGATTACTAGGGGTATGGCGACCAA 188
Db 492 CTCTGCCAGCAGCTGCTGTCAACAGTGGGAGCATGACTTTGGGGCCTGGATGCCAA 551
QY 189 TCCTGAGTCCACCACTGACACGCGCCATCCCGAGCCTTGTGCTCCTACCTACCCCAACC 248
Db 552 TGCTCCATCATCCATGAGGAGCGCCCAACCCAGACCAAGGGGACCAACCCCTGAAGAC 611
QY 249 TCCAGAGGGAGC 261
Db 612 TTACCTAGACACC 624

RESULT 3
US-09-547-435-5
; Sequence 5, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 2236
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-5

Query Match      10.2%; Score 33.8; DB 4; Length 2236;
Best Local Similarity 53.4%; Pred. No. 0.15;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCCTGCCAGCTGATGAGGGGAGGAAAGGATTACTAGGGGTATGGCGACCAA 188
Db 1287 CTCTGCCAGCAGCCTGCTGTCAACAGTGGGAGCATGACTTTGGGGCCTGGATGCCAA 1346
QY 189 TCCTGAGTCCACCACTGACACGCGCCATCCCGAGCCTTGTGCTCCTACCTACCCCAACC 248
Db 1347 TGCTCCATCATCCATGAGGAGCGCCCAACCCAGACCAAGGGGACCAACCCCTGAAGAC 1406
QY 249 TCCAGAGGGAGC 261
Db 1407 TTACCTAGACACC 1419

RESULT 4
US-09-547-435-23
; Sequence 23, Application US/09547435
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; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 2604
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-23

Query Match      10.2%; Score 33.8; DB 4; Length 2604;
Best Local Similarity 53.4%; Pred. No. 0.16; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCCTGCCAGCTGATGAGGGGAGGAAAGGATTACTAGGGGTATGGCGACCAA 188
Db 2220 CTCTGCCAGCAGCCTGCTGTCAACAGTGGGAGCATGACTTTGGGGCCTGGATGCCAA 2279
QY 189 TCCTGAGTCCACCACTGACACGCGCCATCCCGAGCCTTGTGCTCCTACCTACCCCAACC 248
Db 2280 TGCTCCATCATCCATGAGGAGCGCCCAACCCAGACCAAGGGGACCAACCCCTGAAGAC 2339
QY 249 TCCAGAGGGAGC 261
Db 2340 TTACCTAGACACC 2352

RESULT 5
US-09-547-435-1
; Sequence 1, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2701
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-1

Query Match      10.2%; Score 33.8; DB 4; Length 2701;
Best Local Similarity 53.4%; Pred. No. 0.16;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCCTGCCAGCTGATGAGGGGAGGAAAGGATTACTAGGGGTATGGCGACCAA 188
Db 1752 CTCTGCCAGCAGCCTGCTGTCAACAGTGGGAGCATGACTTTGGGGCCTGGATGCCAA 1811
QY 189 TCCTGAGTCCACCACTGACACGCGCCATCCCGAGCCTTGTGCTCCTACCTACCCCAACC 248
Db 1812 TGCTCCATCATCCATGAGGAGCGCCCAACCCAGACCAAGGGGACCAACCCCTGAAGAC 1871
QY 249 TCCAGAGGGAGC 261
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Db      1872 TTACCTAGACACC 1884
RESULT 6
US-09-547-435-29
; Sequence 29, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipxygenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705 0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 3384
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-29
Query Match      10.2%; Score 33.8; DB 4; Length 3384;
Best Local Similarity 53.4%; Pred. No. 0.18;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
QY 129 CTCTGTCCTGCCAGCTGATGAGGGGAAGGAAGGGATTACCTAGGGGTATGGCGACCAA 188
Db 2250 CTCTGCCAGCAGCTGCTGTCAACAGTGGCGAGCATGACTTTGGGGCCTGGATGCCAA 2309
QY 189 TCGTGAATCCCAACTGACCGCCATCCCGAGCTTGTGCCTCACCCTACCCCAACC 248
Db 2310 TGCTCCATCATCATGAGGAGCGCCGCCACCCAGACCAAGGGAGCACCAACCTGAAGAC 2369
QY 249 TCCAGAGGGAGC 261
Db 2370 TTACCTAGACACC 2382
RESULT 7
US-09-205-258-86/c
; Sequence 86, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,891
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 86
; LENGTH: 1036
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1020)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
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LOCATION: (1024)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: SITE
LOCATION: (1032)
OTHER INFORMATION: n equals a,t,g, or c
US-09-205-258-86

Query Match 9.6%; Score 31.8; DB 4; Length 1036;
Best Local Similarity 52.7%; Pred. No. 0.48; Indels 0; Gaps 0;
Matches 69; Conservative 0; Mismatches 62

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DB 852 TCCTGAGTCTCCACGCGCCTGCCAGCCCTTCTGCTGCTCCTCCCGCCCGCCAGGC 793
QY 249 TCCGAGGAGGAGCTATTATAGGGAGGAGGAGTGCAGCAACAGAGCGGCTGGG 308
DB 792 CAGGCGCTGGCCAGCAATGCAATGGTGGGGTGGGATCCCAAGAGAGGCCAAGC 733
QY 309 GATACAACTCT 319
DB 732 CAACCTACCCCT 722

RESULT 8

US-09-328-111-618/c
Sequence 618; Application US/09328111
Patent No. 6262333

GENERAL INFORMATION:
APPLICANT: Endege, Wilson O.
APPLICANT: Steinmann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven E.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 (US)
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
EARLIER FILING DATE: 1998-06-10
NUMBER OF SEQ ID NOS: 850
SOFTWARE: Fast-Seq for Windows Version 3.0
SEQ ID NO 618
LENGTH: 305
TYPE: DNA
ORGANISM: Homo sapiens
US-09-328-111-618

Query Match 9.2%; Score 30.6; DB 3; Length 305;
Best Local Similarity 56.4%; Pred. No. 0.66; Indels 44; Gaps 0;
Matches 57; Conservative 0; Mismatches 44

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DB 217 CGCCAAATAACACGATGGTGTGTAACTCCCGCCAGTGGGGCTAGAAATCCCATG 158
QY 124 CTCAACTCTCTCTGCGCAGCTGATGAGGGAAGGAAGGA 164
DB 157 GTGACCTGTGACCTGCTCCCTGAGACAGGGGAGCCAGGCA 117

RESULT 9

US-09-016-434-1143/c
Sequence 1143; Application US/09016434

Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HERewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1143:
SEQUENCE CHARACTERISTICS:
LENGTH: 2885 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g1478280
US-09-016-434-1143
Query Match 9.2%; Score 30.6; DB 4; Length 2885;
Best Local Similarity 56.4%; Pred. No. 2.2; Indels 44; Gaps 0;
Matches 57; Conservative 0; Mismatches 44
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DB 2633 CGCCAAATAACACGATGGTGTGTAACTCCCGCCAGTGGGGCTAGAAATCCCATG 2574
QY 124 CTCAACTCTCTCTGCGCAGCTGATGAGGGAAGGAAGGA 164
DB 2573 GTGACCTGTGACCTGCTCCCTGAGACAGGGGAGCCAGGCA 2533
RESULT 10
US-08-856-444-1
Sequence 1; Application US/08856444
Patent No. 5959081
GENERAL INFORMATION:
APPLICANT: Lecka-Czernik, Beata
TITLE OF INVENTION: No. 5959081el Zinc Binding LIM Protein S2-6
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Benjamin Aaron Adler, Ph.D. J.D.
STREET: 8011 Candle Lane
CITY: Houston
STATE: Texas
ZIP: 77071
COMPUTER READABLE FORM:

Fri Apr 9 06:51:35 2004

us-09-808-388-6.rni

Page 7

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Job time : 58.4069 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 374.655 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-6
Perfect score: 332
Sequence: 1 gtaccaattgcacaaacta.....caactctggagtcctctgag 332

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/2/pubpna/US09D_NEW_PUB.seq:
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18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	271	81.6	271	9	US-09-808-388-5
3	213	64.2	1080	10	US-09-865-866-17
4	165	49.7	6083	12	US-10-221-714A-440
5	150.2	45.2	6083	12	US-10-221-714A-439
6	118.8	35.8	967	14	US-10-210-120-75
7	84.4	25.4	3330	9	US-09-917-800A-1495
8	84.4	25.4	3330	15	US-10-191-803-398
9	80.8	24.3	1076	9	US-09-925-300-70
10	50	15.1	735	9	US-09-981-353-17
11	49.6	14.9	4990	10	US-09-865-866-97
12	41	12.3	41	9	US-09-808-388-3
13	34.2	10.3	371	14	US-10-387-495-8
14	34.2	10.3	742	15	US-10-027-632-151276
15	33.8	10.2	420	14	US-10-422-264-17

16	33.8	10.2	1441	14	US-10-422-264-13	Sequence 13, Appli
17	33.8	10.2	2136	9	US-09-862-658-3	Sequence 3, Appli
18	33.8	10.2	2136	14	US-10-175-696-24	Sequence 24, Appli
19	33.8	10.2	2236	14	US-10-422-264-5	Sequence 5, Appli
20	33.8	10.2	2307	12	US-10-302-172-803	Sequence 803, App
21	33.8	10.2	2604	14	US-10-422-264-23	Sequence 23, Appli
22	33.8	10.2	2701	14	US-10-422-264-1	Sequence 1, Appli
23	33.8	10.2	3320	9	US-09-862-658-1	Sequence 1, Appli
24	33.8	10.2	3320	14	US-10-175-696-22	Sequence 22, Appli
25	33.8	10.2	3384	14	US-10-422-264-29	Sequence 29, Appli
26	33.2	10.0	2835	15	US-10-104-047-1501	Sequence 1501, Ap
27	32.4	9.8	819	15	US-10-027-632-130312	Sequence 130312,
28	32.4	9.8	94529	15	US-10-034-650-52	Sequence 52, Appli
29	32.2	9.7	573	15	US-10-027-632-50048	Sequence 50048, A
30	32.2	9.7	573	15	US-10-027-632-50049	Sequence 50049, A
31	32.2	9.7	573	15	US-10-027-632-69880	Sequence 69880, A
32	32.2	9.7	573	15	US-10-027-632-69881	Sequence 69881, A
33	32.2	9.7	573	15	US-10-027-632-70565	Sequence 70565, A
34	32.2	9.7	573	15	US-10-027-632-70566	Sequence 70566, A
35	32	9.6	412	10	US-09-918-995-6087	Sequence 6087, Ap
36	32	9.6	3236	15	US-10-108-260A-1225	Sequence 1225, Ap
37	31.8	9.6	1036	10	US-09-933-767-86	Sequence 86, Appli
38	31.8	9.6	1036	14	US-10-023-282-86	Sequence 86, Appli
39	31.6	9.5	466	10	US-09-918-995-32175	Sequence 32175, A
40	31.6	9.5	2849	10	US-09-814-353-20064	Sequence 20064, A
41	31.4	9.5	771	14	US-10-010-920-4	Sequence 4, Appli
42	31.4	9.5	771	14	US-10-010-920-5	Sequence 5, Appli
43	31.4	9.5	771	14	US-10-008-721-4	Sequence 4, Appli
44	31.4	9.5	771	14	US-10-008-721-5	Sequence 5, Appli
45	31.4	9.5	955	14	US-10-010-920-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-808-388-6
; Sequence 6, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE/PLA2s hybrid promoter
US-09-808-388-6

Query Match 100.0%; Score 332; DB 9; Length 332;

Best Local Similarity 100.0%; Pred. No. 4.38-106; Indels 0; Gaps 0;
Matches 332; Conservative 0; Mismatches 0

QY 1 GTACCAATTGCACAAACTAGGTCAAGGTCAATCAAACTAGGTCAAAAGGTCAAAATTCGA 60

Db 1 GTACCAATTGCACAAACTAGGTCAAGGTCAATCAAACTAGGTCAAAAGGTCAAAATTCGA 60

QY 61 ACGCGCAAAACTGCCTGAAATGTGTTTGGCATCAGCTACTGACACGTAAGGTTCCCA 120

Db 61 ACAGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACACGTAAGGTTTCCCA 120
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Db 121 ATCTCAACTCTCTCTGTCAGCTGATGAGGGGAAGAAAGGATTAACCTAGGGGTATGG 180
QY 181 GCACCAATCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCACCTAC 240
Db 181 GCACCAATCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCACCTAC 240
QY 241 CCACAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAAACAGAC 300
Db 241 CCACAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAAACAGAC 300
QY 301 GGCTGGGGATACAACTCTGGAGTCTCTGAG 332
Db 301 GGCTGGGGATACAACTCTGGAGTCTCTGAG 332

RESULT 2

US-09-808-388-5
; Sequence 5, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fragment of the PLA2s promoter

Query Match 81.6%; Score 271; DB 9; Length 271;
Best Local Similarity 100.0%; Pred. No. 1.le-84;
Matches 271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CGCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACACGTAAGGTTTCCAA 60
QY 122 TCCTCAACTCTGCTGTCAGCTGATGAGGGGAAGAAAGGATTAACCTAGGGGTATGG 181
Db 61 TCCTCAACTCTGCTGTCAGCTGATGAGGGGAAGAAAGGATTAACCTAGGGGTATGG 120
QY 182 CGACCAATCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCACCTACC 241
Db 121 CGACCAATCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCACCTACC 180
QY 242 CCACAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAAACAGC 301
Db 181 CCACAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAAACAGC 240
QY 302 GCCTGGGGATACAACTCTGGAGTCTCTGAG 332
Db 241 GCCTGGGGATACAACTCTGGAGTCTCTGAG 271

RESULT 3

US-09-865-866-17
; Sequence 17, Application US/09865866
; Publication No. US20030045487A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) 1
; FILE REFERENCE: RTS-0221
; CURRENT APPLICATION NUMBER: US/09/865,866
; NUMBER OF SEQ ID NOS: 173
; SEQ ID NO 17
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: US-09-865-866-17

Query Match 64.2%; Score 213; DB 10; Length 1080;
Best Local Similarity 93.1%; Pred. No. 4.7e-64;
Matches 256; Conservative 0; Mismatches 15; Indels 4; Gaps 3;
QY 61 ACAGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACACGTAAGG-TTTCCTC 119
Db 762 ACTCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACACGTAAGGTTTCCC 821
QY 120 AATCTCAACTCTGCTCTG--CCAGCTGATGAGGGGAAGAAAGGATTAACCTAGGGTA 177
Db 822 AATCTCAACTCTGCTCTGCTGCGCAGGCTGATGAGGGGAAGAAAGGATTAACCTAGGGTA 881
QY 178 TGGGCGCAAACTCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCAC 237
Db 882 TGGGCGCAAACTCTGAGTCCACCACTGACACGCGCCATCCCGAGCTGTGCTCAC 941
QY 238 TACCCCAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAA 297
Db 942 TACCCCAACCT-CCAGAGGGAGCAGCTATTTAAGGGGAGCAGAGTGCAGAACAA 1000
QY 298 GACGGCTGGGGATACAACTCTGGAGTCTCTGAG 332
Db 1001 GACGGCTGGGGATACAACTCTGGAGTCTCTGAG 1035

RESULT 4

US-10-221-714A-440/C
; Sequence 440, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; PRIOR FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 440
; LENGTH: 6083

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-440

Query Match      49.7%; Score 165; DB 12; Length 6083;
Best Local Similarity 74.7%; Pred. No. 7.3e-47;
Matches 207; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 55 ARTCGACGGCGGCAAACTGCCTGAAATGTTGGCATCAGCTACTGACAGCTGAAGT 114
DB 1336 ATAAAAAACTACAAAACCTACCTAAATATATTTTAACTACACTACTAACACGTAATAAT 1277
QY 115 TTCCCAATCCTCAACTCTGCTGCTGCCAGCTGATGAGGGAGGAAAGGATTACCTAGGG 174
DB 1276 TTCCCAATCCTCAACTCTGCTGCTGCCAGCTGATGAGGGAGGAAAGGATTACCTAGGG 174
QY 175 GTATGGGCGACCAATCCTGAGTCCACCACTGACACGCGCCATCCCGACCTTTGTGCTTC 234
DB 1216 ATATAAAGGACCAATCCTAAATCCCACTAACACGCGCCATCCCGACCTTTATACCTC 1157
QY 235 ACTACCCCGCACTCCGAGGAGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGACAA 294
DB 1156 ACTACCCCGCACTCCCGAGGAGGAGCAGCTATTTAAGGGAGGAGGAGTGCAGACAA 1097
QY 295 CAAGACGGCTGGGGATACAACTCTGGAGTCTCTGA 331
DB 1096 CAAGACGGCTGGGGATACAACTCTGGAGTCTCTGA 1060

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RESULT 5
US-10-221-714A-439
; Sequence 439, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: tumor suppressor genes and oncogenes
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 439
; LENGTH: 6083
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-439

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Query Match      45.2%; Score 150.2; DB 12; Length 6083;
Best Local Similarity 72.7%; Pred. No. 1.2e-41;
Matches 194; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 66 GCAAACTGCTGAATGTTGGTGGCATCAGCTACTGACACGTAAGTTTCCCAATCCT 125
DB 4759 GTAAAAATGTTGAATGTTGTTGGTATTAGTATTGATACGTAAGGTTTAAATTTT 4818

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QY 126 CAACTCTCTCTGCCAGCTGATGAGGGAGGAAAGGAGGATTACCTAGGGTATGGCGGAC 185
DB 4819 TAAATTTGTTTGTAGTTGATGAGGGAGGAAAGGAGGATTATTTAGGGGTATGGCGGAT 4878
QY 186 CAATCCTGAGTCCACCACTGACAGGCCATCCCGAGCTTGTGCTCACCCTACCCCA 245
DB 4879 TAAATTTGAGTTTATTAATGATTACGTTTATTTTAGTTTGTGTTTATTTATTTT 4938
QY 246 ACCTCCCGAGGAGCAGCTATTTAAGGGAGCAGAGTGCAGAAACAAACAGACGGCT 305
DB 4939 ATTATTTAGAGGAGTAGTTATTTAAGGGAGTGAAGTGAAGTAATAATAGACGGTT 4998
QY 306 GGGGATACAACTCTCGAGTCTCTGAG 332
DB 4999 GGGGATATAATTTTGGAGTTTTTTCAG 5025

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RESULT 6
US-10-210-120-75
; Sequence 75, Application US/10210120
; Publication No. US20030175736A1
; GENERAL INFORMATION:
; APPLICANT: Chinnaiyan, Arul M.
; APPLICANT: Rubin, Mark A.
; APPLICANT: Sreekumar, Arun
; TITLE OF INVENTION: Expression Profile of Prostate Cancer
; FILE REFERENCE: UM-07221
; CURRENT APPLICATION NUMBER: US/10/210,120
; CURRENT FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: US 60/309,581
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: US 60/334,468
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 967
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-210-120-75

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Query Match      35.8%; Score 118.8; DB 14; Length 967;
Best Local Similarity 83.3%; Pred. No. 5.6e-31;
Matches 135; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 171 AGGGGTATGGGCGACCAATCCTGAGTCCACCACTGACCAACCCATCCCGAGCTTGTG 230
DB 3 AGGAAAAGAGCAACAGATCCAGGGAGCATTCACCTGCCCTGTCTCCAAACAGCTTGTG 62
QY 231 CCTCACCTACCCCAACCTCCCGAGGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAA 290
DB 63 CCTCACCTACCCCAACCTCCCGAGGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAA 122
QY 291 CAAACAGAGCGGCTGGGGATACAACTCTGGAGTCTCTGAG 332
DB 123 CAAACAGAGCGGCTGGGGATACAACTCTGGAGTCTCTGAG 164

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RESULT 7
US-09-917-800A-1495
; Sequence 1495, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31

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; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1495
; LENGTH: 3330
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 X51529
US-09-917-800A-1495

Query Match 25.4%; Score 84.4; DB 9; Length 3330;
Best Local Similarity 64.9%; Pred. No. 1.2e-18;
Matches 157; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

QY 67 CAAACTGCTGCAATCTGTTTGGCATCAGCTACTCAGCAGTAAGGTTTCCCAATCCTC 126
Db 260 CGAATCAGCTAAAGTTTATGATGGCCACAAACCCATGTTAGGGGCTTTTCGGCCCTC 319

QY 127 AACTCTCTCTGCCAGCTGATGAGGGGAAGGAGTACCTAGGGGTATGG--CGA 184
Db 320 AAGGCTGTTCTGCCAGCTGTTGGGGGAAAGGGGAAATTTACCCAGGGCGTTGGGTATGC 379

QY 185 CCAATCTCTGAGTCACCACTGACCAAGCCCA--TCCCAGCCTTGTGCTCAGCTACCC 242
Db 380 CCGTCTGTGAATCATTATTTGGCCACACCCATCCCTCCCATCCCTGCTCCGATCC 439

QY 243 CCACTCTCCAGAGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAACAAACAAGACGG 302
Db 440 CCAGCCCTGCAGAGGAAGAGCTATTTAAGAGCATTTGGAGTACAGGAAAAACAAGCAG 499

QY 303 CC 304
Db 500 GC 501

RESULT 8
US-10-191-803-398
; Sequence 398, Application US/10191803
; Publication No. US2004001404A1
; GENERAL INFORMATION:
; APPLICANT: MENDECK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5090US
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351

; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; PRIOR FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 1140
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 398
; LENGTH: 3330
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US2004001404A1 X51529
US-10-191-803-398

Query Match 25.4%; Score 84.4; DB 15; Length 3330;
Best Local Similarity 64.9%; Pred. No. 1.2e-18;
Matches 157; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

QY 67 CAAACTGCTGCAATCTGTTTGGCATCAGCTACTCAGCAGTAAGGTTTCCCAATCCTC 126
Db 260 CGAATCAGCTAAAGTTTATGATGGCCACAAACCCATGTTAGGGGCTTTTCGGCCCTC 319

QY 127 AACTCTCTCTGCCAGCTGATGAGGGGAAGGAGTACCTAGGGGTATGG--CGA 184
Db 320 AAGGCTGTTCTGCCAGCTGTTGGGGGAAAGGGGAAATTTACCCAGGGCGTTGGGTATGC 379

QY 185 CCAATCTCTGAGTCACCACTGACCAAGCCCA--TCCCAGCCTTGTGCTCAGCTACCC 242
Db 380 CCGTCTGTGAATCATTATTTGGCCACACCCATCCCTCCCATCCCTGCTCCGATCC 439

QY 243 CCACTCTCCAGAGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAACAAACAAGACGG 302
Db 440 CCAGCCCTGCAGAGGAAGAGCTATTTAAGAGCATTTGGAGTACAGGAAAAACAAGCAG 499

QY 303 CC 304
Db 500 GC 501

RESULT 9
US-09-925-300-70
; Sequence 70, Application US/09925300
; Patent No. US2002015168A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 70
; LENGTH: 1076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (911)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-70

Query Match 24.3%; Score 80.8; DB 9; Length 1076;
Best Local Similarity 95.3%; Pred. No. 1.3e-17;
Matches 82; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 247 CTTCCAGAGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAACAAACAAGACGGCCTG 306
Db 2 CCAACAGAGGGAGCAGCTATTTAAGGGAGCAGGAGTGCAGAACAAACAAGACGGCCTG 61


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QY 307 GGGATACAACTCTGGAGTCTCTGAG 332
Db 62 GGGATACAACTCTGGAGTCTCTGAG 87

RESULT 10
US-09-981-353-17
; Sequence 17, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 17
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 474322.36
; NAME/KEY: unsure
; LOCATION: 388
; OTHER INFORMATION: a, t, c, g, or other
US-09-981-353-17

Query Match 15.1%; Score 50; DB 9; Length 735;
Best Local Similarity 100.0%; Pred. No. 7.4e-07;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 283 GTCCAGAACAAACAGACGCCCTGGGATACAACTCTGGAGTCTCTGAG 332
Db 1 GTCCAGAACAAACAGACGCCCTGGGATACAACTCTGGAGTCTCTGAG 50

RESULT 11
US-09-865-866-97
; Sequence 97, Application US/09865866
; Publication No. US20030045487A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
; FILE REFERENCE: RTS-0221
; CURRENT APPLICATION NUMBER: US/09/865,866
; CURRENT FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 173
; SEQ ID NO 97
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2026)...(2068)
; NAME/KEY: CDS
; LOCATION: (2245)...(2389)
; NAME/KEY: CDS
; LOCATION: (2622)...(2731)
; NAME/KEY: CDS
; LOCATION: (4098)...(4240)
US-09-865-866-97

Query Match 14.9%; Score 49.6; DB 10; Length 4990;
Best Local Similarity 59.4%; Pred. No. 2.4e-06;
Matches 139; Conservative 0; Mismatches 64; Indels 31; Gaps 2;

QY 67 CAAACTGCTGAAATGTTTGGCATCAGTACTGACACGTAAGTTCCTCCAAATCCTC 126
Db 1016 CAAATCAGCTGAAATTTATGATGGCGGCCCTTGGTATGAAGGCTTTCCAGCCCTC 1075

us-09-808-388-6.rnpb

QY 127 AACTCTGCTCTCCAGCTGATGAGGGAGGAAAGGATTACTAGGGGTATGGCGGACC 186
Db 1076 AGGGCTGCCCTCCAGCTGTTGGGAAACAAAGGGCATTTGGTATGC-----CC 1125

QY 187 AATCTGAGTCCACCAACTGACACGCCCATCCCGAGCCCTTGTGCTACCTACCCCAA 246
Db 1126 ATCCGTGAATCCACTATTGACCAACACCCACCT-----CCCCAT 1164

QY 247 COTCCAGAGGAGCAGCTATTATTAGGGGAGCAGGAGTGCAGAACAAACAGAC 300
Db 1165 CCGTCAGAGGAGAGAGCTATTATTAAAGGCGAGTTGGAATTCAGGAAAAACAAGAC 1218

RESULT 12
US-09-808-388-3
; Sequence 3, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Bereziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising the
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
US-09-808-388-3

Query Match 12.3%; Score 41; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.00031;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 CAAACTAGGTCAAAAGGTCAATCAAACTAGGTCAAAAGGTCA 53
Db 1 CAAACTAGGTCAAAAGGTCAATCAAACTAGGTCAAAAGGTCA 41

RESULT 13
US-10-387-495-8/c
; Sequence 8, Application US/10387495
; Publication No. US20030162956A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Leukocyte Regulatory Factors 1 and 2
; FILE REFERENCE: PF359C1
; CURRENT APPLICATION NUMBER: US/10/387,495
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: US/09/603,735A
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 09/055,998
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: 60/043,483
; PRIOR FILING DATE: 1997-04-07
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 8
; LENGTH: 371
; TYPE: DNA

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; ORGANISM: Homo sapiens
US-10-387-495-8

Query Match 10.3%; Score 34.2; DB 14; Length 371;
Best Local Similarity 51.7%; Pred. No. 0.2; Indels 0; Gaps 0;
Matches 78; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 84 TGTGTTGGCATCAGCTACTGACAGCTAAGGTTTCCCAATCCTCAACTCTGTCTCTGCCAGC 143
DB 238 TGTGTGGCAACAGCCCCAGGCCAGGTAGGCAGTGAGTCTCCTCAAAATCTCTCCACCCCC 179

QY 144 TGATGAGGGAGGAAGAGGATACCTAGGGGTATGGCGACCAATCTGTAGTCCACAA 203
DB 178 AGGACTCAGGAGGGAGGGGAGGAGAGGTGTGGCCCGTGTGCAGTCTCTCAGGCGGCTC 119

QY 204 CTGACCAGCCATCCCGCAGCTTGTGCTC 234
DB 118 CTGAGCTCGAGCCACCAGGCTTGTGCTC 88

RESULT 14

US-10-627-632-151276/c

; Sequence 151276, Application US/10027632

; Publication No. US20030204075A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; FILE REFERENCE: Polymorphisms in the Human Genome

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 151276

; LENGTH: 742

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-151276

Query Match 10.3%; Score 34.2; DB 15; Length 742;
Best Local Similarity 53.3%; Pred. No. 0.26; Indels 0; Gaps 0;
Matches 72; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 117 CCCAATCTCAACTCTGTCTGCCAGCTGATGAGGGGAAGGAAGGGATTACCTAGGGGT 176
DB 489 CCCAAACCCAAAGGAAGGCTTAACAGTTGTGTCAGCAGGAGGAGTCTCTCATAGGCG 430

QY 177 ATGGCGGACCAATCTGTAGTCCCAACTGACCGCCCTCCCGAGCCTTGTGCTCAC 236
DB 429 GTGGGCCCATCGTCTCTAGTCCCAAGCAAGGAGGTCTGGCTCTCCCAAGCCACA 370

QY 237 CTACCCCAACCTCC 251
DB 369 GCATCTCAACCCCC 355

RESULT 15

US-10-422-264-17

; Sequence 17, Application US/10422264

; Publication No. US20030172391A1
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. US20030172391A1 Lipoxigenase Proteins and Polynucleotides
; FILE REFERENCE: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/10/422,264
; CURRENT FILING DATE: 2003-04-23
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-422-264-17

Query Match 10.2%; Score 33.8; DB 14; Length 420;
Best Local Similarity 53.4%; Pred. No. 0.29; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 129 CTCTGTCTCTGCCAGCTGATGAGGGGAAGGAAGGATTACCTAGGGGTATGGGGACCA 188
DB 36 CTCTGCCAGCAGCTGCTGTCAACAGTGGGCGAGCATGACTTTGGGGCCTGGATGCCAA 95

QY 189 TCCTGAGTCCCAACTGACACCGCCCATCCCGAGCCTTGTGCTTACCTACCCCAACC 248
DB 96 TGTTCATCATCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 155

QY 249 TCCGAGAGGAGC 261
DB 156 TTACTTAGACACC 168

Search completed: April 9, 2004, 06:43:21

Job time : 374.655 secs

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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 29.3951 Seconds
(without alignments)
3209.437 Million cell updates/sec

Title: US-09-808-388-5_COPY_1_170

Perfect score: 170

Sequence: 1 cgcggcaaaactgcctgaaa.....gcccattccccagctgtgtgc 170

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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2: /cgn2_6/prodata/2/ina/5B COMB.seq: *
3: /cgn2_6/prodata/2/ina/6A COMB.seq: *
4: /cgn2_6/prodata/2/ina/6B COMB.seq: *
5: /cgn2_6/prodata/2/ina/PTUS COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	30.6	18.0	305	3	US-09-328-111-618
C 2	30.6	18.0	2885	4	US-09-016-434-1143
C 3	30.4	17.9	1549	2	US-08-856-444-1
C 4	30.2	17.8	340	4	US-09-833-381-1715
C 5	30.2	17.8	1794	4	US-09-620-312D-988
C 6	30.2	17.6	420	4	US-09-547-435-17
C 7	30.0	17.6	1441	4	US-09-547-435-13
C 8	30.0	17.6	2236	4	US-09-547-435-5
C 9	30.0	17.6	2604	4	US-09-547-435-23
C 10	30.0	17.6	2701	4	US-09-547-435-1
C 11	30.0	17.6	3384	4	US-09-547-435-29
C 12	29.2	17.2	3111	2	US-09-014-969-12
C 13	29.1	17.1	204	4	US-09-506-729-37
C 14	29.1	17.1	1883	1	US-08-020-056-2
C 15	29.1	17.1	1933	1	US-08-076-093A-1
C 16	29.1	17.1	1933	1	US-08-410-451-1
C 17	29.1	17.1	1933	1	US-08-410-455-1
C 18	29.1	17.1	1933	1	US-08-418-919-1
C 19	29.1	17.1	1933	1	US-08-410-453A-2
C 20	29.1	17.1	1933	1	US-08-701-265-1
C 21	29.1	17.1	1933	1	US-08-410-454A-2
C 22	29.1	17.1	1933	2	US-08-284-586-1
C 23	29.1	17.1	1933	2	US-08-410-456A-1
C 24	29.1	17.1	1933	2	US-08-805-478-1
C 25	29.1	17.1	1933	2	US-08-802-627A-1
C 26	29.1	17.1	1933	2	US-08-801-238-1
C 27	29.1	17.1	1933	2	US-08-801-228-1

Sequence 1, Appli
Sequence 1134, Ap
Sequence 1, Appli
Sequence 156, App
Sequence 1, Appli
Sequence 17202, A
Sequence 3937, Ap
Sequence 918, App
Sequence 918, App
Sequence 918, App
Sequence 182, App
Sequence 182, App
Sequence 182, App
Sequence 1, Appli
Sequence 218, App
Sequence 218, App
Sequence 30, Appli

US-09-328-111-618/c
; Sequence 618, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 618
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-618

ALIGNMENTS

RESULT 1

Query Match 18.0%; Score 30.6; DB 3; Length 305;
Best Local Similarity 56.4%; Pred. No. 0.18;
Matches 57; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 3 CGGCAAACTGCTGAATGCTTTGGCATCAGTACTGACACGTAGGTTTCCCAATC 62
DB 217 CGCCAAAATAACACGACATGGTGTGTAACATCCCCAGTGGGGCTAGAAATCCCCATG 158
QY 63 CTCAACTCTGCTCCAGCTGATGAGGGGAAGAAAGGA 103
DB 157 GTGACCTGTGACTGCTCTCCCTGAGACAGGGAGGCCAGCA 117

RESULT 2

US-09-016-434-1143/c
; Sequence 1143, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:

APPLICANT: Janice Au-Young
 APPLICANT: Jeffrey J. Seilhamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 TITLE OF INVENTION: PATHWAY GENE EXPRESSION
 NUMBER OF SEQUENCES: 1490
 CORRESPONDENCE ADDRESS:

```
Query Match      18.0%; Score 30.6; DB 4; Length 2885;
Best Local Similarity 56.4%; Pred.No. 0.5;
Matches 57; Conservative 0; Mismatches 44; Indels 0; Gaps 0;
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Qy 63 CTCAACTCTGTCTCCTGCCAGCTGATGAGGGGAAGAAAGGA 103
| | | | | | | | | | | | | | | |
Db 2573 GTGACCTGTGACCTGTCTCCCTGAGACAGGGGAGGCAGGCA 2533

```

RESULT 3
US-08-856-444-1
; Sequence 1, Application US/08856444
; Patent No. 5959081
; GENERAL INFORMATION:
; APPLICANT: Lecka-Czernik, Beata
; TITLE OF INVENTION: No. 5959081el Zinc Binding LIM Protein S2-6
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benjamin Aaron Adler, Ph.D. J.D.
; STREET: 8011 Candle Lane
; CITY: Houston
; STATE: Texas
; ZIP: 77071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 mb floppy disk
; COMPUTER: Apple Macintosh

```

```

/ OPERATING SYSTEM: Macintosh
/ SOFTWARE: Microsoft Word for Macintosh
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/856,444
/ FILING DATE: May 14, 1997
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Benjamin Aaron Adler, Ph.D.
/ REGISTRATION NUMBER: 35,423
/ REFERENCE/DOCKET NUMBER: D5988
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (713) 777-2321
/ TELEFAX: (713) 777-6908
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1549 bp
/ TYPE: nucleic acid
/ STRANDEDNESS: single-stranded
/ TOPOLOGY: linear
/ MOLECULE TYPE:
/ DESCRIPTION: c-DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ FRAGMENT TYPE:
/ ORIGINAL SOURCE:
/ IMMEDIATE SOURCE:
/ POSITION IN GENOME:
/ FEATURE:
/ PUBLICATION INFORMATION:
/ US-08-856-444-1

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QY
110 AGGGTATGGCGGACCAATCTGAGTCCACCACTG 145
DB
590 AGAGGGGGGAGAGCACTGCTGCTACCAACCAACGG 625

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RESULT 4
US-09-833-381-1715
; Sequence 1715, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1715
; LENGTH: 340
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-1715

```

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Db 72 TGGCTTGGCCCAAGGAGGGGAAGCAGCAGGAGGAAAAAGCCAGAGGGGGCAGAGACCCTGC 131
QY 131 TGAGTCCACCAACTG 145
Db 132 TGCTACCACCAACGG 146

RESULT 5
US-09-620-312D-988
; Sequence 988, Application US/09620312D
; Patent No. 6589662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungling
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6589662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 988
; LENGTH: 1794
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (164)..(1261)
;
US-09-620-312D-988
Query Match 17.8%; Score 30.2; DB 4; Length 1794;
Best Local Similarity 62.7%; Pred. No. 0.56;
Matches 47; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 71 TGTCTGCTCCAGCTGATGAGGGGAGGAAAGGATTACCTAGGGGTATGGCGACCAATCC 130
Db 778 TGGCTTGGCCCAAGGAGGGGAAGCAGCAGGAGGAAAAAGCCAGAGGGGGCAGAGACCCTGC 837

QY 131 TGAGTCCACCAACTG 145
Db 838 TGCTACCACCAACGG 852

RESULT 6
US-09-547-435-17
; Sequence 17, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
```

```
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-09-547-435-17
Query Match 17.6%; Score 30; DB 4; Length 420;
Best Local Similarity 55.9%; Pred. No. 0.35;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGTCTGCTCCAGCTGATGAGGGGAGGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 36 CTCTGCCACGACGCTGCTGTCAACAGTGGGCGAGCATGACTTTGGGGCCTTGGATGCCCAA 95

QY 128 TCTGAGTCCACCAACTGACCAAGCCATCCCGAGCCTTTGTG 169
Db 96 TGCTCCATCATCATGAGGAGCCGCCACCCAGACCAAGGG 137

RESULT 7
US-09-547-435-13
; Sequence 13, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 1441
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-09-547-435-13
Query Match 17.6%; Score 30; DB 4; Length 1441;
Best Local Similarity 55.9%; Pred. No. 0.6;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGTCTGCTCCAGCTGATGAGGGGAGGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 492 CTCTGCCACGACGCTGCTGTCAACAGTGGGCGAGCATGACTTTGGGGCCTTGGATGCCCAA 551

QY 128 TCTGAGTCCACCAACTGACCAAGCCATCCCGAGCCTTTGTG 169
Db 552 TGCTCCATCATCATGAGGAGCCGCCACCCAGACCAAGGG 593

RESULT 8
US-09-547-435-5
; Sequence 5, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
```

; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 2236
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-5

Query Match 17.6%; Score 30; DB 4; Length 2236;
Best Local Similarity 55.9%; Pred. No. 0.73;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGCTCCAGCTGATGAGGGGAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 1287 CTCTGCCAGACAGCTCTGTCAACAGTGGGAGCATGACTTTGGGCGCTGGATGCCAA 1346
QY 128 TCCTGAGTCCACCAACTGACACGCCCATCCCGAGCCTTGTG 169
Db 1347 TGCTCCATCATTCATGAGGAGCGCCGCCACCCAGACCAAGGG 1388

RESULT 9

US-09-547-435-23
; Sequence 23, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 2604
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-23

Query Match 17.6%; Score 30; DB 4; Length 2604;
Best Local Similarity 55.9%; Pred. No. 0.78;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGCTCCAGCTGATGAGGGGAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 2220 CTCTGCCAGACAGCTGTGTCAACAGTGGGAGCATGACTTTGGGCGCTGGATGCCAA 2279
QY 128 TCCTGAGTCCACCAACTGACACGCCCATCCCGAGCCTTGTG 169
Db 2280 TGCTCCATCATTCATGAGGAGCGCCGCCACCCAGACCAAGGG 2321

RESULT 10

US-09-547-435-1
; Sequence 1, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000

; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2701
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-1

Query Match 17.6%; Score 30; DB 4; Length 2701;
Best Local Similarity 55.9%; Pred. No. 0.79;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGCTCCAGCTGATGAGGGGAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 1752 CTCTGCCAGACAGCTGTGTCAACAGTGGGAGCATGACTTTGGGCGCTGGATGCCAA 1811
QY 128 TCCTGAGTCCACCAACTGACACGCCCATCCCGAGCCTTGTG 169
Db 1812 TGCTCCATCATTCATGAGGAGCGCCGCCACCCAGACCAAGGG 1853

RESULT 11

US-09-547-435-29
; Sequence 29, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; TITLE OF INVENTION: Encoding the Same
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 3384
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-29

Query Match 17.6%; Score 30; DB 4; Length 3384;
Best Local Similarity 55.9%; Pred. No. 0.87;
Matches 57; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 68 CTCTGCTCCAGCTGATGAGGGGAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 2250 CTCTGCCAGACAGCTGTGTCAACAGTGGGAGCATGACTTTGGGCGCTGGATGCCAA 2309
QY 128 TCCTGAGTCCACCAACTGACACGCCCATCCCGAGCCTTGTG 169
Db 2310 TGCTCCATCATTCATGAGGAGCGCCGCCACCCAGACCAAGGG 2351

RESULT 12

US-09-014-969-12
; Sequence 12, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES

TITLE OF INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/014,969
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 3111 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-014-969-12

Query Match 17.2%; Score 29.2; DB 2; Length 3111;
Best Local Similarity 57.8%; Pred. No. 1.6;
Matches 52; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 72 GTCTCCAGCTGATGAGGGAAGGATTACTAGGGGTATGGGGACCAATCCT 131
DB 957 GTCTCCCGCTGATGAGGCTTGATAGAGACTACAGCTGAGCTGCTCAATCC 1016

QY 132 GAGTCCCACTGACACGCCCATCCCA 161
DB 1017 CATGCCGGATCTTCCACACCGCTCTCA 1046

RESULT 13
US-09-506-729-37/c
Sequence 37, Application US/09506729
Patent No. 6365352
GENERAL INFORMATION:
APPLICANT: Yerramilli, Subrahmanyam V.
APPLICANT: Prashar, Yatindra
APPLICANT: Newberger, Peter
APPLICANT: Goguen, Jon
APPLICANT: Weissman, Sherman M.
TITLE OF INVENTION: A PROCESS TO STUDY CHANGES IN GENE EXPRESSION IN
FILE REFERENCE: 44921-5016-US
CURRENT APPLICATION NUMBER: US/09/506,729
CURRENT FILING DATE: 2000-02-18
EARLIER APPLICATION NUMBER: PCT/US98/17284
EARLIER FILING DATE: 1998-08-21
EARLIER APPLICATION NUMBER: 60/056,844
EARLIER FILING DATE: 1997-08-22
NUMBER OF SEQ ID NOS: 66
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 37
LENGTH: 204
TYPE: DNA
ORGANISM: Homo sapiens
US-09-506-729-37

Query Match 17.1%; Score 29; DB 4; Length 204;
Best Local Similarity 57.0%; Pred. No. 0.57;
Matches 53; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 4 GGC AAAA CTGCTGAAATGTGTTTGGCATGACTGACACGTAAGGTTTCCCAATCC 63
DB 194 GGAACATCTGCTGCCAATGGA CTGGTGGCTGCACATGGCTTTCTAGGGATGCTGATGC 135

QY 64 TCAACTCTGCTGCCAGCTGATGAGGGAGG 96
DB 134 TGCACGCCAGCTGGAAGCTGCAGAGGGAGG 102

RESULT 14
US-08-202-056-2/c
Sequence 2, Application US/08202056
Patent No. 5440021
GENERAL INFORMATION:
APPLICANT: Chuntharapai, Anan
APPLICANT: Hebert, Caroline
APPLICANT: Kim, Kyung Jin
APPLICANT: Lee, James
TITLE OF INVENTION: Antibodies to Human IL-8 Type B Receptor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,056
FILING DATE: 25-FEB-1994
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/677211
FILING DATE: 29-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 706P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5530
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1883 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-202-056-2

Query Match 17.1%; Score 29; DB 1; Length 1883;
Best Local Similarity 57.0%; Pred. No. 1.5;
Matches 53; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 4 GGC AAAA CTGCTGAAATGTGTTTGGCATGACTGACACGTAAGGTTTCCCAATCC 63
DB 1865 GGAACATCTGCTGCCAATGGA CTGGTGGCTGCACATGGCTTTCTAGGGATGCTGATGC 1806

QY 64 TCAACTCTGCTGCCAGCTGATGAGGGAGG 96
DB 1805 TGCACGCCAGCTGGAAGCTGCAGAGGGAGG 1773

RESULT 15

US-08-076-093A-1/c
; Sequence 1, Application US/08076093A
; Patent No. 5543503
; GENERAL INFORMATION:
; APPLICANT: Chuntharapai, Anan
; APPLICANT: Lee, James
; APPLICANT: Hebert, Caroline
; APPLICANT: Jin Kim, K.
; TITLE OF INVENTION: Antibodies to Human PF4A Receptors
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/076,093A
; FILING DATE: 11-Jun-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/810782
; FILING DATE: 19-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/677211
; FILING DATE: 29-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Love, Richard B
; REGISTRATION NUMBER: 34,659
; REFERENCE/DOCKET NUMBER: 706P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-5530
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1933 nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
US-08-076-093A-1

Query Match 17.1%; Score 29; DB 1; Length 1933;
Best Local Similarity 57.0%; Pred. No. 1.6; Mismatches 40; Indels 0; Gaps 0;
Matches 53; Conservative 0;
Qy 4 GGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACGTAAGGTTTCCCAATCC 63
Db 1915 GGAACATCTGCTGCCCAATGGACTGGTGGCTGCACATGGCTTCTAGGGATGCTGATGC 1856
Qy 64 TCAACTCTGCTGCCAGCTGATGAGGGGAGG 96
Db 1855 TGCACGCCAGCTGGAAGCTGCAGAGGGGAGG 1823

Search completed: April 9, 2004, 01:27:47
Job time : 29.3951 secs

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 191.842 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-5_COPY_1_170

Perfect score: 170
Sequence: 1 cgcgcgaactgcctgaaa.....gccccatccagctgtgac 170

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	170	100.0	271	9	US-09-808-388-5
2	170	100.0	332	9	US-09-808-388-6
3	123	72.4	1080	10	US-09-865-866-17
4	105.8	62.2	6083	12	US-10-221-714A-440
5	94.6	55.6	6083	12	US-10-221-714A-439
6	47	27.6	3330	9	US-09-917-800A-1495
7	47	27.6	3330	15	US-10-191-803-398
8	44.4	26.1	4990	10	US-09-865-866-97
9	32.2	18.9	573	15	US-10-027-632-50048
10	32.2	18.9	573	15	US-10-027-632-50049
11	32.2	18.9	573	15	US-10-027-632-69880
12	32.2	18.9	573	15	US-10-027-632-69881
13	32.2	18.9	573	15	US-10-027-632-70565
14	32.2	18.9	573	15	US-10-027-632-70566
15	31.4	18.5	819	15	US-10-027-632-130312

c	16	31.2	18.4	371	14	US-10-387-495-8	Sequence 8, Appli
	17	30.6	18.0	250	14	US-10-066-543-1474	Sequence 1474, Ap
c	18	30.6	18.0	305	9	US-09-879-536-618	Sequence 618, App
c	19	30.6	18.0	2856	12	US-10-231-9568-43	Sequence 43, Appl
c	20	30.6	18.0	2856	15	US-10-373-801-7	Sequence 7, Appli
c	21	30.6	18.0	2885	9	US-09-880-107-3388	Sequence 3388, Ap
c	22	30.6	18.0	2885	12	US-10-262-511-245	Sequence 245, App
c	23	30.6	18.0	2885	12	US-10-307-817-351	Sequence 351, App
c	24	30.6	18.0	2885	12	US-10-307-817-680	Sequence 680, App
c	25	30.6	18.0	2885	15	US-10-305-720-1143	Sequence 1143, Ap
c	26	30.6	18.0	3370	13	US-10-044-090-339	Sequence 339, App
	27	30.4	17.9	1549	15	US-10-336-260A-1	Sequence 1, Appli
	28	30.4	17.9	2835	15	US-10-104-047-1501	Sequence 1501, Ap
c	29	30.4	17.9	96597	15	US-10-085-117-112	Sequence 112, App
	30	30.2	17.8	340	9	US-09-833-381-1715	Sequence 1715, Ap
	31	30.2	17.8	499	10	US-09-918-995-21158	Sequence 21158, A
	32	30.2	17.8	669	11	US-09-801-944B-24	Sequence 24, Appl
	33	30.2	17.8	1082	15	US-10-284-049-913	Sequence 913, App
	34	30.2	17.8	1794	14	US-10-037-270-988	Sequence 988, App
	35	30.2	17.8	1794	15	US-10-117-722-988	Sequence 988, App
	36	30	17.6	420	14	US-10-422-264-17	Sequence 17, Appl
	37	30	17.6	1441	14	US-10-422-264-13	Sequence 13, Appl
	38	30	17.6	2136	9	US-09-862-658-3	Sequence 3, Appli
	39	30	17.6	2136	14	US-10-175-696-24	Sequence 24, Appl
	40	30	17.6	2236	14	US-10-422-264-5	Sequence 5, Appli
	41	30	17.6	2307	12	US-10-302-172-803	Sequence 803, App
	42	30	17.6	2604	14	US-10-422-264-23	Sequence 23, Appl
	43	30	17.6	2701	14	US-10-422-264-1	Sequence 1, Appli
	44	30	17.6	3320	9	US-09-862-658-1	Sequence 1, Appli
	45	30	17.6	3320	14	US-10-175-696-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1

US-09-808-388-5
; Sequence 5, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Bereziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fragment of the PLA2s promoter
US-09-808-388-5

Query Match 100.0%; Score 170; DB 9; Length 271;

Best Local Similarity 100.0%; Pred. No. 9.3e-53;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCAAACTGCCTGAAATGTTTGGCATCAGTACTGACAGTAAAGTTTCCCAA 60

Db 1 CGCGGCAAACTGCCTGAAATGTTTGGCATCAGTACTGACAGTAAAGTTTCCCAA 60

QY 61 TCCTCAACTCTCTCTGCGCAGCTGATGAGGGGAAGAAAGGATACCTAGGGGTATGGG 120

Db 61 TCCTCAACTCTGTCTCTGCCAGCTGATGAGGGAAGAAAGGATTACCTAGGGTATGGG 120
QY 121 CGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 170
Db 121 CGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 170

RESULT 2

US-09-808-388-6
; Sequence 6, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Bereziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE/PLA2s hybrid promoter
US-09-808-388-6

Query Match 100.0%; Score 170; DB 9; Length 332;
Best Local Similarity 100.0%; Pred. No. 1e-52;
Matches 170; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGGCAAACTCCCTGAAATGTGTTGGCATCAGCTACTGACAGTAAGGTTTCCCAA 60
Db 62 CGCGGCAAACTCCCTGAAATGTGTTGGCATCAGCTACTGACAGTAAGGTTTCCCAA 121
QY 61 TCCTCAACTCTGTCTCTGCCAGCTGATGAGGGAAGAAAGGATTACCTAGGGTATGGG 120
Db 122 TCCTCAACTCTGTCTCTGCCAGCTGATGAGGGAAGAAAGGATTACCTAGGGTATGGG 181
QY 121 CGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 170
Db 182 CGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 231

RESULT 3

US-09-865-866-17
; Sequence 17, Application US/09865866
; Publication No. US20030045487A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
; FILE REFERENCE: RTS-0221
; CURRENT APPLICATION NUMBER: US/09/865,866
; CURRENT FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 173
; SEQ ID NO 17
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-865-866-17

Query Match 72.4%; Score 123; DB 10; Length 1080;
Best Local Similarity 89.6%; Pred. No. 4.2e-35;
Matches 155; Conservative 0; Mismatches 15; Indels 3; Gaps 2;
QY 1 CGCGCAAACTGCTGAAATGTGTTGGCATCAGCTACTGACACGTAA-CGTTTCCCA 59
Db 763 CTGCGCAAACTGCTGAAATGTGTTGGCATCAGCTACTGACACGTAAAGGGTTTCCCA 822
QY 60 ATCTCTCAACTCTGTCTCTG--CCAGCTGATGAGGGAAGAAAGGATTACCTAGGGGTAT 117
Db 823 ATCTCTCAACTCTGTCTCTGCGCCAGGCTGATGAGGGAAGAAAGGATTACCTAGGGGTAT 882
QY 118 GGGCGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 170
Db 883 GGGCGACCAATCTGAGTCACCACTGACACGCGCCATCCCGAGCTTGTGC 935

RESULT 4

US-10-221-714A-440/c
; Sequence 440, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPNEROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: tumor suppressor genes and oncogenes
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 440
; LENGTH: 6083
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-440

Query Match 62.2%; Score 105.8; DB 12; Length 6083;
Best Local Similarity 77.6%; Pred. No. 1.9e-28;
Matches 128; Conservative 0; Mismatches 37; Indels 0; Gaps 0;
QY 6 CAAAACCTGCTGAAATGTGTTGGCATCAGCTACTGACACGTAAAGTTTCCCAATCTTC 65
Db 1324 CAAAACCTGCTGAAATGTGTTGGCATCAGCTACTGACACGTAAAGTTTCCCAATCTTC 1265
QY 66 AACTCTGCTCTGCCAGCTGATGAGGGAAGAAAGGATTACCTAGGGGTATGGGAGCC 125
Db 1264 AACTCTGCTCTGCCAGCTGATGAGGGAAGAAAGGATTACCTAGGGGTATGGGAGCC 1205
QY 126 AATCTGTAGTCCACCACTGACACGCGCCATCCCGAGCTTGTGC 170
Db 1204 AATCTGTAGTCCACCACTGACACGCGCCATCCCGAGCTTGTGC 1160

RESULT 5

US-10-221-714A-439
; Sequence 439, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:

```

; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of diseases Associated with
; TITLE OF INVENTION: tumor suppressor genes and oncogenes
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 439
; LENGTH: 6083
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-439

Query Match      55.6%; Score 94.6; DB 12; Length 6083;
Best Local Similarity 73.3%; Pred. No. 2.7e-24;
Matches 121; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY      5  GC AAAAC TGC TCG CCA AAG TGT TTT GGC ATC AG TACT CAG CAC GCTA GCGTAA GCGTTT CCAAT CCT 64
Db      4759 GTAAAATGTTTGAATAGTGTTTGGTATTAGTTATTGATACGTAAGGTTTTTTAATTTT 4818

QY      65  CAATCTGTCTGTCACCTGATGAGGGAGGAAAGGATTTACCTAGGGGTATGGGGCAC 124
Db      4819 TAATTTGTTTGTGTAGTTGATGAGGGAGGAAAGGATTTATTAGGGTATGGGGCAT 4878

QY      125 CAATCTGTGATGCCACCAACTGACACGCCCATCCCGACGCTTG 169
Db      4879 TAATTTTGAGTTTATTAATTAATGATTACGTTATTTTATTTTATTTTG 4923

RESULT 6
US-09-917-800A-1495
; Sequence 1495, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06

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Qy	66	AACTCTGTCTCTGCAGCTCATAGGGGGAAGGAAGGNN	TTACCTAGGGGATGGG--CGA	123
Db	320	AAGGCTGTCTCTCCAGCTGTTGGGGGAAAAAGGGGAAAT	TACCCAGGGCGCTGGGTATGC	379
Qy	124	CCAATCCTGAGTCCACCACTGACCACGCCCATCCCC		160
Db	380	CCGTCTGTGAATTCATTATTGGGCACACCCACCTCC		416

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RESULT 8
US-09-865-866-97
; Sequence 97, Application US/09865866
; Publication No. US20030045487A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
; FILE REFERENCE: RTS-0221
; CURRENT APPLICATION NUMBER: US/09/865,866
; CURRENT FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 173
; SEQ ID NO 97
; LENGTH: 4990
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2026) ... (2068)
; NAME/KEY: CDS
; LOCATION: (2245) ... (2389)
; NAME/KEY: CDS
; LOCATION: (2622) ... (2731)
; NAME/KEY: CDS
; LOCATION: (4098) ... (4240)
; US-09-865-866-97

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Query Match	26.1%;	Score 44.4;	DB 10;	Length 4990;
Best Local Similarity	61.0%;	Pred. No. 1.1e-05;		
Matches	72;	Conservative 0;	Mismatches 46;	Indels 0; Gaps 0;

Qy	6	CAAAACTGCTGAAATGTTTTGGCATACGCTACTCACGTAAGGTTTCCCAATCCTC	65
Db	1016	CAAAATCAGCTGAAATTATGATGGCGCACCCCTTGCTATGAAGGCTTTCACAGCCCTC	1075
Qy	66	AACCTCTGTCGCCAGCTGATGAGGGAGAGAAAGGATTAACCTAGGGGTATGGGCGA	123
Db	1076	AGGGCTGCTCCCTGCCAGCTGTGGGGAAACAAAAGGGCATTTGGGTATGCCATCCGTGA	1133

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RESULT 9
US-10-027-632-50048
; Sequence 50048, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28

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; PRIOR APPLICATION NUMBER: US 60/146,002
;
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
;
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 50048
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-50048

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Query Match	18.9%	Score 32.2;	DB 15;	Length 573;
Best Local Similarity	53.6%	Pred. No. 0.17;		
Matches 67;	Conservative 0;	Mismatches 58;	Indels 0;	Gaps 0;
Qy	41	TGACAGCTAGGTTTCCCAATCTC	ACTCTGTCCTGCCAGCTGATCAGGGGAGGAAAG	100
Db	223	TGACACAGAGGGTCTTCAAGAGCAAACTCAGTCATTT	CAGACTATATGTTGAGTRAGAAACA	282
Qy	101	GGATTACTTAGGGGTATGGCGACCAATCTCGATGCCACCACTGACCGCCCATCCCC		160
Db	283	GGGGTAAACAGCTGTTATGTGCCCCAAAACAGAAATTTCCCATCCATAATGTCACAACTGC		342
Qy	161	AGCCT	165	
Db	343	AGCCT	347	

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RESULT 10
US-10-027-632-50049
; Sequence 50049, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 50049
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-50049

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	Query Match	18.9%	Score 32.2;	DB 15;	Length 573;
	Best Local Similarity	53.6%;	Pred. No. 0.17;		
Matches	Conservative	0;	Mismatches 58;	Indels 0;	Gaps 0;
Qy	41	TGACAGTAAAGTTTCCCAATCTC	AACCTGTCTCCTGCCAGCTCAT	CAGGGGAGGAAG	100
Dd	223	TGACACAGAGGGTCTTCAGAGCAA	AACTCAGTCATTGCAGACTATAT	TGTGAGTAAGAACA	282
Qy	101	GGATTCTTAGGGGTATGGCGACC	AATCTTGAGTCCACCAACTGAC	CACGCCCATCCCC	160
Dd	283	GGGGTAACAGCTGTTATGTCTCCC	AAAAAACAAGAAATTCCTCAT	TCCATATGCAACTGC	342
Ov	161	AGCCT	165		

Db 343 AGCCT 347
|||||

RESULT 11

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; US-10-027-632-69880
; Sequence 69880, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69880
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-69880
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Query Match 18.9%; Score 32.2; DB 15; Length 573;
Best Local Similarity 53.6%; Pred. No. 0.17;
Matches 67; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 41 TGACAGTAAGGTTTCCCAATCCTCAACTCTGCTGCGCAGCTGATGAGGGGAAGAAAG 100
Db 223 TGACACAGAGGGCTTCTCAAGAGCAAAACTCAGTCATTTCAGACTATATAGTTGAGTAAGAACA 282
QY 101 GGATTACCTAGGGGTATGGCGGACCAATCCTGAGTCCACCACTGACCGCCATCCCC 160
Db 283 GGGGTAAACAGCTGTTATGTGTCCTCCCAAAAACAGAAATTCCTCCATCCATATGCAACTGC 342
QY 161 AGCCT 165
Db 343 AGCCT 347
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RESULT 12

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; US-10-027-632-69881
; Sequence 69881, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
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; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69881
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-69881
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Query Match 18.9%; Score 32.2; DB 15; Length 573;
Best Local Similarity 53.6%; Pred. No. 0.17;
Matches 67; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 41 TGACAGTAAGGTTTCCCAATCCTCAACTCTGCTGCGCAGCTGATGAGGGGAAGAAAG 100
Db 223 TGACACAGAGGGCTTCTCAAGAGCAAAACTCAGTCATTTCAGACTATATAGTTGAGTAAGAACA 282
QY 101 GGATTACCTAGGGGTATGGCGGACCAATCCTGAGTCCACCACTGACCGCCATCCCC 160
Db 283 GGGGTAAACAGCTGTTATGTGTCCTCCCAAAAACAGAAATTCCTCCATCCATATGCAACTGC 342
QY 161 AGCCT 165
Db 343 AGCCT 347
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RESULT 13

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; US-10-027-632-70565
; Sequence 70565, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 70565
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-70565
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```
Query Match 18.9%; Score 32.2; DB 15; Length 573;
Best Local Similarity 53.6%; Pred. No. 0.17;
Matches 67; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 41 TGACAGTAAGGTTTCCCAATCCTCAACTCTGCTGCGCAGCTGATGAGGGGAAGAAAG 100
Db 223 TGACACAGAGGGCTTCTCAAGAGCAAAACTCAGTCATTTCAGACTATATAGTTGAGTAAGAACA 282
QY 101 GGATTACCTAGGGGTATGGCGGACCAATCCTGAGTCCACCACTGACCGCCATCCCC 160
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Db 283 GGGGTACAGCTGTATGTCCTCCCAAAACAGAAATCTCCATCCATATGACAACTGC 342
QY 161 AGCCT 165
Db 343 AGCCT 347

RESULT 14
US-10-027-632-70566
; Sequence 70566, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12, 006
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 70566
; LENGTH: 573
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-70566

Query Match 18.9%; Score 32.2; DB 15; Length 573;
Best Local Similarity 53.6%; Pred. No. 0.17;
Matches 67; Conservative 0; Mismatches 58; Indels 0; Gaps 0;
QY 41 TGACACGTAGGTTCCCAATCTCTCACTCTGCTCCAGCTGATGAGGGGAGGAAAG 100
Db 223 TGACACAGAGGGTCTTCAAGAGCAAAACTCAGTCACTTCAAGCTATAGTTAGTAGCA 282
QY 101 GGATTACCTAGGGGTATGGGCGACCAATCTCTGAGTCCACCAACTGACCGCCCATCCCC 160
Db 283 GGGGTACAGCTGTATGTCCTCCCAAAACAGAAATCTCCATCCATATGACAACTGC 342
QY 161 AGCCT 165
Db 343 AGCCT 347

RESULT 15
US-10-027-632-130312
; Sequence 130312, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12, 006
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 130312
; LENGTH: 819
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-130312
Query Match 18.5%; Score 31.4; DB 15; Length 819;
Best Local Similarity 57.7%; Pred. No. 0.38;
Matches 56; Conservative 0; Mismatches 41; Indels 0; Gaps 0;
QY 74 CTTGCCAGCTGATGAGGGGAAGAAAGGATTACCTAGGGGTATGGCGACCAATCTCA 133
Db 395 CTTGCCAGGGGTCTCAGGGGGGAGGATGGGCTGCGCTCTCTGCTCCAACTCA 454
QY 134 GTCCACCAACTGACACACGCCCATCCCGAGCCTTGTC 170
Db 455 GACATGAGCTGACTCCCGACTTGGCCCTCTCTCTGTC 491
Search completed: April 9, 2004, 06:43:21
Job time : 192.842 secs


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; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 1441
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-13

Query Match      12.5%; Score 33.8; DB 4; Length 1441;
Best Local Similarity 53.4%; Pred. No. 0.14; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 68 CTCTGCTCTGCCAGCTGATGAGGGGAAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 492 CTCTGCCAGCAGCTGCTGTCAACAGTGGCGACATGACTTTGGGGCCTGGATGCCCAA 551
QY 128 TCCTGAGTCCCAACTGACCGCCCATCCCGAGCCTTGCTGCTCACTACCTACCCCAACC 187
Db 552 TGCTCCATCATCCATGAGGAGCGCCCGCCAGACCAAGGGGACCAACCCCTGAAGAC 611
QY 188 TCCAGAGGGAGC 200
Db 612 TTACCTAGACACC 624

RESULT 3
US-09-547-435-5
; Sequence 5, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 2236
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-5

Query Match      12.5%; Score 33.8; DB 4; Length 2236;
Best Local Similarity 53.4%; Pred. No. 0.17; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 68 CTCTGCTCTGCCAGCTGATGAGGGGAAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 1287 CTCTGCCAGCAGCTGCTGTCAACAGTGGCGACATGACTTTGGGGCCTGGATGCCCAA 1346
QY 128 TCCTGAGTCCCAACTGACCGCCCATCCCGAGCCTTGCTGCTCACTACCTACCCCAACC 187
Db 1347 TGCTCCATCATCCATGAGGAGCGCCCGCCAGACCAAGGGGACCAACCCCTGAAGAC 1406
QY 188 TCCAGAGGGAGC 200
Db 1407 TTACCTAGACACC 1419

RESULT 4
US-09-547-435-23
; Sequence 23, Application US/09547435
```

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; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 2604
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-23

Query Match      12.5%; Score 33.8; DB 4; Length 2604;
Best Local Similarity 53.4%; Pred. No. 0.18; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 68 CTCTGCTCTGCCAGCTGATGAGGGGAAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 2220 CTCTGCCAGCAGCTGCTGTCAACAGTGGCGACATGACTTTGGGGCCTGGATGCCCAA 2279
QY 128 TCCTGAGTCCCAACTGACCGCCCATCCCGAGCCTTGCTGCTCACTACCTACCCCAACC 187
Db 2280 TGCTCCATCATCCATGAGGAGCGCCCGCCAGACCAAGGGGACCAACCCCTGAAGAC 2339
QY 188 TCCAGAGGGAGC 200
Db 2340 TTACCTAGACACC 2352

RESULT 5
US-09-547-435-1
; Sequence 1, Application US/09547435
; Patent No. 6582957
; GENERAL INFORMATION:
; APPLICANT: Turner, C. Alexander, Jr.
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: No. 6582957el Lipoxigenase Proteins and Polynucleotides
; FILE REFERENCE: 7705.0009-00000
; CURRENT APPLICATION NUMBER: US/09/547,435
; CURRENT FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2701
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-547-435-1

Query Match      12.5%; Score 33.8; DB 4; Length 2701;
Best Local Similarity 53.4%; Pred. No. 0.18; Indels 0; Gaps 0;
Matches 71; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 68 CTCTGCTCTGCCAGCTGATGAGGGGAAGAAAGGATTACCTAGGGGTATGGCGACCAA 127
Db 1752 CTCTGCCAGCAGCTGCTGTCAACAGTGGCGACATGACTTTGGGGCCTGGATGCCCAA 1811
QY 128 TCCTGAGTCCCAACTGACCGCCCATCCCGAGCCTTGCTGCTCACTACCTACCCCAACC 187
Db 1812 TGCTCCATCATCCATGAGGAGCGCCCGCCAGACCAAGGGGACCAACCCCTGAAGAC 1871
QY 188 TCCAGAGGGAGC 200
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[illegible]

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; LOCATION: (1024)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1032)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-205-258-86

Query Match 11.7%; Score 31.8; DB 4; Length 1036;
Best Local Similarity 52.7%; Pred. No. 0.57; 62; Indels 0; Gaps 0;
Matches 69; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 128 TCTGAGTCCACCACTGACACAGCCCATCCCCAGCCTTGTGCTCACCCTACCCCAACC 187
DB 852 TCTGAGTCTCCACGCCCTCCCCAGCCTTGTGCTCACCCTACCCCAACC 793

QY 188 TCCAGAGGAGCAGCTATTTAAGGGAGCAGAGTGCAGACAAACAGACGCGCTGGG 247
DB 792 CAGGCGCTGGGCGAGCAATGCAATGCTGGGGTGGGATCACCAAGAGAGGCCCAAGC 733

QY 248 GATACAACTCT 258
DB 732 CAATACCCCT 722

RESULT 8
US-09-328-111-618/c
; Sequence 618, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 618
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-618

Query Match 11.3%; Score 30.6; DB 3; Length 305;
Best Local Similarity 56.4%; Pred. No. 0.83; 44; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 3 CGGCAAACTGCTGAAATGTTTTGGCATCAGCTACTGACACGTAAGGTTTCCCAATC 62
DB 217 CGCMAAATAACACAGCATGTTGTTGAACATCCCCCAGTGGGGCTAGATTCCCATG 158

QY 63 CTCAACTCTCTGCTGCGAGCTGATGAGGGGAAGGA 103
DB 157 GTACCTGTGACCTGCTCCCTGTGACACAGGGGAGGCCAGCA 117

RESULT 9
US-09-016-434-1143/c
; Sequence 1143, Application US/09016434
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; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Sellhammer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 FORSTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1143:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2885 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1478280
US-09-016-434-1143

Query Match 11.3%; Score 30.6; DB 4; Length 2885;
Best Local Similarity 56.4%; Pred. No. 2.2; 44; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 3 CGGCAAACTGCTGAAATGTTTTGGCATCAGCTACTGACACGTAAGGTTTCCCAATC 62
DB 2633 CGCMAAATAACACAGCATGTTGTTGAACATCCCCCAGTGGGGCTAGATTCCCATG 2574

QY 63 CTCAACTCTCTGCTGCGAGCTGATGAGGGGAAGGA 103
DB 2573 GTGACCTGTGACCTGCTCCCTGTGACACAGGGGAGGCCAGCA 2533

RESULT 10
US-08-856-444-1
; Sequence 1, Application US/08856444
; Patent No. 5959081
; GENERAL INFORMATION:
; APPLICANT: Lecka-Czernik, Beata
; TITLE OF INVENTION: Zinc Binding LIM Protein S2-6
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Benjamin Aaron Adler, Ph.D. J.D.
; STREET: 8011 Candle Lane
; CITY: Houston
; STATE: Texas
; ZIP: 77071
; COMPUTER READABLE FORM:
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; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR IDENTIFYING
 ;
 ; NUMBER OF SEQUENCES: 13
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: James C. Weseman, Esq.
 ; STREET: 401 B. Street, Suite 1700
 ; CITY: San Diego
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 92101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/458,434A
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Weseman, James C.
 ; REGISTRATION NUMBER: 30,507
 ; REFERENCE/DOCKET NUMBER: P00060U0S0
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 699-3604
 ; TELEFAX: 619-236-1048
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 9299 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-458-434A-7

	Query Match	10.9%	Score 29.6;	DB 3;	Length 9299;
	Best Local Similarity	59.5%;	Pred. No. 8.2;		
	Matches	50; Conservative	0; Mismatches	34; Indels	0; Gaps
QY	150	CGCCATCCGAGCCTTGCTCACCTACCCCACCTCCAGGAGGCAGCATTTTA	209		
Dd	6318	CCCCCAACCCGGGCCCTTCCTCGCCCTCCAGCCAAATTTCCAACAATTCCAGCTGGTTA	6259		
QY	210	AGGGGAGCAGGAGTGCAGAATA	233		
Dd	6258	AGAACRGAGGAGGGGAGACAGA	6235		

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RESULT 14
US-09-014-969-12
; Sequence 12, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaValle, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; TITLE OF INVENTION: ENCODING THEM
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/014,969
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sprunger, Suzanne A.
; REGISTRATION NUMBER: 41,323
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8284
; TELEFAX: (617) 876-5951
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3111 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-014-969-12

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	Query Match	10.8%	Score 29.2	DB 2	Length 3111	
	Best Local Similarity	57.8%	Pred.No. 6.9			
	Matches 52	Conservative	0	Mismatches 38	Indels 0	Gaps 0
Qy	72	GTCTGCGAGCTGATGAGGGGAAGGAAGGATTA	CCTAGGGGTATGGCGACCAATCT	131		
Db	957	GTCTGTCGCGCTGATCAGCAGCTTGAGTAGAAGA	ACTACAGCTGAGCTGTCTCAATCCC	1016		
Qy	132	GAGTCCACCAACTGACCAAGCCCATCCCCA	161			
Db	1017	CATGCGCGGATCTTCCACACCGGTCTCA	1046			

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RESULT 15
US-09-506-729-37/c
; Sequence 37, Application US/09506729
; Patent No. 6365352
; GENERAL INFORMATION:
; APPLICANT: Yerramilli, Subrahmanyam V.
; APPLICANT: Prashar, Yatindra
; APPLICANT: Newberger, Peter
; APPLICANT: Goguen, Jon
; APPLICANT: Weisman, Sherman M.
; TITLE OF INVENTION: A PROCESS TO STUDY CHANGES IN GENE EXPRESSION IN
; TITLE OF INVENTION: GRANULOCYTIC CELLS
; FILE REFERENCE: 44921-5016-US
; CURRENT APPLICATION NUMBER: US/09/506,729
; CURRENT FILING DATE: 2000-02-18
; EARLIER APPLICATION NUMBER: PCT/US98/17284
; EARLIER FILING DATE: 1998-08-21
; EARLIER APPLICATION NUMBER: 60/056,844
; EARLIER FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 204
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-506-729-37

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Query Match	10.7%;	Score 29;	DB 4;	Length 204;
Best Local Similarity	57.0%;	Pred. No. 2.4;		
Matches	53;	Conservative 0;	Mismatches 40;	Indels 0; Gaps 0;

QY	4	GGCAAACTGCTTGAATGTTTGGCATCAGCTACTGACACGTAAGGTTTCCCAATCC	63
Db	194	GGAACTGCTGCTGCCCAATGGACTGGTGGCTGCACATGGCTTCTAGGGATGCTGATGC	135
QY	64	TCAACTCTGCTGCGAGCTGATAGGGGAAGG	96
Db	134	TGCACGCCACGCTGGAACTGCAGAGGGGAAGG	102

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Job time : 47.8592 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 305.818 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-5

Perfect score: 271

Sequence: 1 cgcggcaaaactgcctgaaa.....caactctggagcctctgtg 271

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	271	100.0	271	9	US-09-808-388-5
2	271	100.0	332	9	US-09-808-388-6
3	212	78.2	1080	10	US-09-865-866-17
C	4	164.2	60.6	6083	12 US-10-221-714A-440
	5	150.2	55.4	6083	12 US-10-221-714A-439
	6	118.8	43.8	967	14 US-10-210-120-75
	7	84.4	31.1	3330	9 US-09-917-800A-1495
8	84.4	31.1	3330	15	US-10-191-803-398
9	80.8	29.8	1076	9	US-09-925-300-70
10	50	18.5	735	9	US-09-981-353-17
11	49.6	18.3	4990	10	US-09-865-866-97
C	12	34.2	12.6	371	14 US-10-387-495-8
	13	34.2	12.6	742	15 US-10-027-632-151276
14	33.8	12.5	420	14	US-10-422-264-17
15	33.8	12.5	1441	14	US-10-422-264-13

16	33.8	12.5	2136	9	US-09-862-658-3
17	33.8	12.5	2136	14	US-10-175-896-24
18	33.8	12.5	2236	14	US-10-422-264-5
19	33.8	12.5	2307	12	US-10-302-172-803
20	33.8	12.5	2604	14	US-10-422-264-23
21	33.8	12.5	2701	14	US-10-422-264-1
22	33.8	12.5	3320	9	US-09-862-658-1
23	33.8	12.5	3320	14	US-10-175-896-22
24	33.8	12.5	3384	14	US-10-422-264-29
25	33.2	12.0	2835	15	US-10-104-047-1501
26	32.4	12.0	819	15	US-10-027-632-130312
C	27	32.4	94529	15	US-10-034-650-52
	28	32.2	573	15	US-10-027-632-50048
29	32.2	11.9	573	15	US-10-027-632-50049
30	32.2	11.9	573	15	US-10-027-632-69880
31	32.2	11.9	573	15	US-10-027-632-69881
32	32.2	11.9	573	15	US-10-027-632-70565
33	32.2	11.9	573	15	US-10-027-632-70566
34	32	11.8	412	10	US-09-918-995-6087
35	32	11.8	3236	15	US-10-108-260A-1225
C	36	31.8	1036	10	US-09-933-767-86
	37	31.8	1036	14	US-10-023-282-86
38	31.6	11.7	466	10	US-09-918-995-32175
39	31.6	11.7	2849	10	US-09-814-353-20064
C	40	31.4	771	14	US-10-010-920-4
	41	31.4	771	14	US-10-010-920-5
C	42	31.4	771	14	US-10-008-721-4
	43	31.4	771	14	US-10-008-721-5
C	44	31.4	955	14	US-10-010-920-3
	45	31.4	955	14	US-10-008-721-3

ALIGNMENTS

RESULT 1

US-09-808-388-5
; Sequence 5, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Bereziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fragment of the PLA2s promoter
US-09-808-388-5

Query Match 100.0%; Score 271; DB 9; Length 271;
Best Local Similarity 100.0%; Pred. No. 2.8e-85;
Matches 271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CGCGGCAAACTGCCTGAAATGTTTTGGCATCTGACACGTAGGTTTCCCAA	60
Dd	1	CGCGGCAAACTGCCTGAAATGTTTTGGCATCTGACACGTAGGTTTCCCAA	60
Qy	61	TCCTCAACTCTGCTCCAGCTGATGAGGGAAGGAAGGATTACCTAGGGTATGGG	120

Db 61 TCCTCAACTCTGTCTGCTGCCAGCTGATGAGGGGAGGAAAGGATTAACCTAGGGGTATGGG 120
 QY 121 CGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACTACC 180
 Db 121 CGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACTACC 180
 QY 181 CCCAACTCCCGAGGAGGAGCTATTTAAGGGGAGGAGGAGTGCAGAACAAACAGAGC 240
 Db 181 CCCAACTCCCGAGGAGGAGCTATTTAAGGGGAGGAGGAGTGCAGAACAAACAGAGC 240
 QY 241 GCTGGGATACAACTCTGAGTCTCTGAG 271
 Db 241 GCCTGGGATACAACTCTGAGTCTCTGAG 271

RESULT 2
 US-09-808-388-6
 ; Sequence 6, Application US/09808388
 ; Patent No. US20020081719A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Massaad, Charbel
 ; APPLICANT: Berenbaum, Francis
 ; APPLICANT: Olivier, Jean-Luc
 ; APPLICANT: Salvat, Colette
 ; APPLICANT: Berezat, Gilbert
 ; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
 ; FILE OF INVENTION: their uses
 ; FILE REFERENCE: ST00010
 ; CURRENT APPLICATION NUMBER: US/09/808,388
 ; CURRENT FILING DATE: 2001-09-20
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR FILING DATE: 2000-03-14
 ; PRIOR FILING DATE: 2000-04-13
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 6
 ; LENGTH: 332
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: PPRE/PLA2s hybrid promoter
 US-09-808-388-6

Query Match 100.0%; Score 271; DB 9; Length 332;
 Best Local Similarity 100.0%; Pred. No. 3e-85;
 Matches 271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CGCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACAGTAAAGTTCGCCAA 60
 Db 62 CGCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACAGTAAAGTTCGCCAA 121
 QY 61 TCCTCAACTCTGTCTGCTGCCAGCTGATGAGGGGAGGAAAGGATTAACCTAGGGGTATGGG 120
 Db 122 TCCTCAACTCTGTCTGCTGCCAGCTGATGAGGGGAGGAAAGGATTAACCTAGGGGTATGGG 181
 QY 121 CGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACTACC 180
 Db 182 CGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACTACC 241
 QY 181 CCCAACTCCCGAGGAGGAGCTATTTAAGGGGAGGAGTGCAGAACAAACAGAGC 240
 Db 242 CCCAACTCCCGAGGAGGAGCTATTTAAGGGGAGGAGTGCAGAACAAACAGAGC 301
 QY 241 GCTGGGATACAACTCTGAGTCTCTGAG 271
 Db 302 GCCTGGGATACAACTCTGAGTCTCTGAG 332

RESULT 3
 US-09-865-866-17
 ; Sequence 17, Application US/09865866

Publication No. US20030045487A1
 ; GENERAL INFORMATION:
 ; APPLICANT: C. Frank Bennett
 ; APPLICANT: Jacqueline Wyatt
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) E
 ; FILE REFERENCE: RTS-0221
 ; CURRENT APPLICATION NUMBER: US/09/865,866
 ; CURRENT FILING DATE: 2001-05-25
 ; NUMBER OF SEQ ID NOS: 173
 ; SEQ ID NO 17
 ; LENGTH: 1080
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-09-865-866-17

Query Match 78.2%; Score 212; DB 10; Length 1080;
 Best Local Similarity 93.1%; Pred. No. 2.8e-64;
 Matches 255; Conservative 0; Mismatches 15; Indels 4; Gaps 3;
 QY 1 CGCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACAGTAAAGTTCGCCAA 59
 Db 763 CTCGGCAAACTGCTGAAATGTTTGGCATCAGCTACTGACAGTAAAGTTCGCCAA 822
 QY 60 ATCTCAACTCTGTCTCTG--CCAGCTGATGAGGGGAGGAAAGGATTAACCTAGGGGTAT 117
 Db 823 ATCTCAACTCTGTCTCTGCGCAGGCTGATGAGGGGAGGAAAGGATTAACCTAGGGGTAT 882
 QY 118 GGGGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACT 177
 Db 883 GGGGACCAATCTGTAGTCCACCAACTGACACGCCCATCCCGAGCTTGTGCTCACT 942
 QY 178 ACCCCCAACTCCCGAGGAGGAGCTATTTAAGGGGAGGAGTGCAGAACAAACAG 237
 Db 943 ACCCCCAACT--CCAGAGGAGGAGCTATTTAAGGGGAGGAGTGCAGAACAAACAG 1001
 QY 238 ACGGCTGGGGATACAACTCTGAGTCTCTGAG 271
 Db 1002 ACGGCTGGGGATACAACTCTGAGTCTCTGAG 1035

RESULT 4
 US-10-221-714A-440/c
 ; Sequence 440, Application US/10221714A
 ; Publication No. US20040048254A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OLEK, Alexander
 ; APPLICANT: PIEPENBROCK, Christian
 ; APPLICANT: BERLIN, Kurt
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with
 ; TITLE OF INVENTION: tumor suppressor genes and oncogenes
 ; FILE REFERENCE: 5013.1005
 ; CURRENT APPLICATION NUMBER: US/10/221,714A
 ; CURRENT FILING DATE: 2003-01-21
 ; PRIOR APPLICATION NUMBER: PCT/EP01/02955
 ; PRIOR FILING DATE: 2001-03-15
 ; PRIOR APPLICATION NUMBER: DE 10013847.0
 ; PRIOR FILING DATE: 2000-03-15
 ; PRIOR APPLICATION NUMBER: DE 10019058.8
 ; PRIOR FILING DATE: 2000-04-06
 ; PRIOR APPLICATION NUMBER: DE 10019173.8
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: DE 10032529.7
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: DE 10043826.1
 ; PRIOR FILING DATE: 2000-09-01
 ; NUMBER OF SEQ ID NOS: 540
 ; SEQ ID NO 440
 ; LENGTH: 6083
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

[illegible]

```

US-09-917-800A-1495
: Sequence 1495, Application US/09917800A
: Patent No. US20020119462A1
: GENERAL INFORMATION:
: APPLICANT: Mendrick, Donna
: APPLICANT: Porter, Mark
: APPLICANT: Johnson, Kory
: APPLICANT: Castle, Arthur
: APPLICANT: Blashoff, Michael
: APPLICANT: Gene Logic, Inc
: TITLE OF INVENTION: Molecular Toxicology Mo
: FILE REFERENCE: 44321-5038-US
: CURRENT APPLICATION NUMBER: US/09/917,800A
: CURRENT FILING DATE: 2001-07-31
: PRIOR APPLICATION NUMBER: US 60/222,040
: PRIOR FILING DATE: 2000-07-31
: PRIOR APPLICATION NUMBER: US 60/222,880
: PRIOR FILING DATE: 2000-11-02

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; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,884
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 60/303,459
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 1740
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1495
; LENGTH: 3330
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020119462A1 X51529
US-09-917-800A-1495

Query Match 31.1%; Score 84.4; DB 9; Length 3330;
Best Local Similarity 64.9%; Pred. No. 4.3e-19;
Matches 157; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

QY 6 CAAAACTGCTGAAATGTTTGGCATCAGTACTACAGTAAAGTTTCCCAATCCTC 65
DB 260 CGAAATCAGCTAAAGTTTATGATGGCCACACCCATGGTATGAGGGCTTTTCGGGCCCTC 319

QY 66 AACTCTGTCTGCCAGCTGATGAGGGGAAGGAAAGGATTAACCTAGGGGTATGG--CGA 123
DB 320 AAGCTGTCTGCCAGCTGTTGGGGGAAAGGGAAATTTACCCAGGGCGTTGGGTATGC 379

QY 124 CCAATCTGTAGTCCACCACTGACCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGG 241
DB 380 CCGTCTGTGAATCCATTATTTGGCCACACCCACCTCCCATCTGGCTCTCCGATCC 439

QY 182 CCAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGG 241
DB 440 CCAGCCTCGCAGAGGAGGAGCTATTTAAGAGCATTGGGAGTACAGGAAACAAAGCAG 499

QY 242 CC 243
DB 500 GC 501

RESULT 8
US-10-191-803-398
; Sequence 398, Application US/10191803
; Publication No. US20040014040A1
; GENERAL INFORMATION:
; APPLICANT: MENDRICK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-50900S
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; PRIOR FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 1140

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 398
; LENGTH: 3330
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040014040A1 X51529
US-10-191-803-398

Query Match 31.1%; Score 84.4; DB 15; Length 3330;
Best Local Similarity 64.9%; Pred. No. 4.3e-19;
Matches 157; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

QY 6 CAAAACTGCTGAAATGTTTGGCATCAGTACTACAGTAAAGTTTCCCAATCCTC 65
DB 260 CGAAATCAGCTAAAGTTTATGATGGCCACACCCATGGTATGAGGGCTTTTCGGGCCCTC 319

QY 66 AACTCTGTCTGCCAGCTGATGAGGGGAAGGAAAGGATTAACCTAGGGGTATGG--CGA 123
DB 320 AAGCTGTCTGCCAGCTGTTGGGGGAAAGGGAAATTTACCCAGGGCGTTGGGTATGC 379

QY 124 CCAATCTGTAGTCCACCACTGACCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGG 241
DB 380 CCGTCTGTGAATCCATTATTTGGCCACACCCACCTCCCATCTGGCTCTCCGATCC 439

QY 182 CCAACCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGG 241
DB 440 CCAGCCTCGCAGAGGAGGAGCTATTTAAGAGCATTGGGAGTACAGGAAACAAAGCAG 499

QY 242 CC 243
DB 500 GC 501

RESULT 9
US-09-925-300-70
; Sequence 70, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben,
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 70
; LENGTH: 1076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (911)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-70

Query Match 29.8%; Score 80.8; DB 9; Length 1076;
Best Local Similarity 95.3%; Pred. No. 5.6e-18;
Matches 82; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 186 CCTCCAGAGGAGCAGCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGGCCTG 245
DB 2 CCAACAGAGGAGCAGCTATTTAAGGGGAGCAGGAGTGCAGAACAAACAGACGGCCTG 61

QY 246 GGGATACAACTCTGGAGTCTCTGAG 271
DB 62 GGGATACAACTCTGGAGTCTCTGAG 87


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Query Match      41.9%; Score 21.8; DB 4; Length 900;
Best Local Similarity 70.7%; Pred. No. 10;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      12 CAAAGGTCAATGCTTTTAGGCCCAAAACTAGGTCAAAGGTCA 52
      |||||
Db      157 CAAAGGTAATTTCTTTGCTCCCAATAATTGTAAACGGTCA 117

RESULT 4
US-09-009-913-1
; Sequence 1, Application US/09009913
; Patent No. 6087495
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 72928 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; US-09-009-913-1

Query Match      41.9%; Score 21.8; DB 3; Length 72928;
Best Local Similarity 65.3%; Pred. No. 32;
Matches 32; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY      2 AAAACTAGTCTCAAGGTCATGCTTTTAGGCCCAAAACTAGGTCAAAGGT 50
      |||||
Db      37573 AAAGCTTGATTCATGTCATCTCTTTCTCACGAATCTTGGTCATGTGT 37621

RESULT 5
US-09-023-655-361
; Sequence 361, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION

```

1 NUMBER OF SEQUENCES: 1508
2 CORRESPONDENCE ADDRESS:
3 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
4 STREET: 3174 PORTER DRIVE
5 CITY: PALO ALTO
6 STATE: CALIFORNIA
7 COUNTRY: USA
8 ZIP: 94304
9 COMPUTER READABLE FORM:
10 MEDIUM TYPE: Floppy disk
11 COMPUTER: IBM PC compatible
12 OPERATING SYSTEM: PC-DOS/MS-DOS
13 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/09/023,655
16 FILING DATE: HEREMITH
17 CLASSIFICATION:
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER:
20 FILING DATE:
21 CLASSIFICATION:
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Zeller, Karen J.
24 REGISTRATION NUMBER: 37,071
25 REFERENCE/DOCKET NUMBER: PA-0001 US
26 TELECOMMUNICATION INFORMATION:
27 TELEPHONE: (650) 855-0555
28 TELEFAX: (650) 845-4166
29 INFORMATION FOR SEQ ID NO: 361:
30 SEQUENCE CHARACTERISTICS:
31 LENGTH: 352 base pairs
32 TYPE: nucleic acid
33 STRANDEDNESS: single
34 TOPOLOGY: linear
35 IMMEDIATE SOURCE:
36 LIBRARY: TLYMNOR01
37 CLONE: 146190
38 US-09-023-655-361

Query Match 41.2%; Score 21.4; DB 4; Length 352;
Best Local Similarity 71.8%; Pred. NO. 11;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AACTAGTCAAGGTCATGCTTTAGGCCCAAACTAGG 42
|||||
Db 30 AATTAGTCAATGGCTTATTTCTAGTCCACACTAGG 68
|||||

RESULT 6
US-09-489-039A-6817/c
; Sequence 6817, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 6817
; LENGTH: 2073
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6817

Query Match 40.8%; Score 21.2; DB 4; Length 2073;
Best Local Similarity 76.5%; Pred. No. 22;
Matches 26; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 9 GGTCAAAGGTCATGCTTTAGGCCCAAACTAGG 42

Db 97 GGTAAAGGCCATGTTTTTTTGTCCAAAAGAGG 64
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RESULT 7
US-08-956-171E-461/c
; Sequence 461, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 461:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3135 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 461:
US-08-956-171E-461

Query Match 40.8%; Score 21.2; DB 4; Length 3135;
Best Local Similarity 64.0%; Pred. NO. 24;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 CAAAAGTGGTCAAGGTCATGCTTTAGGCCCAAACTAGGTCAAAGT 50
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Db 2364 CAAAATTTATCTAAAGCCATACCTATAGATCAAAAGCCAACTCCAAAGT 2315
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RESULT 8
US-09-328-475C-218
; Sequence 218, Application US/09328475C
; Patent No. 6476207
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jimmy
; APPLICANT: Astel, Jon H.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Endege, Wilson O.
; APPLICANT: Ford, Donna M.

```
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Steinmann, Kathleen E.
; TITLE OF INVENTION: GENES AND GENE EXPRESSION PRODUCTS THAT
; FILE REFERENCE: 1532.002/200130.463
; CURRENT APPLICATION NUMBER: US/09/328,475C
; CURRENT FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 218
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-328-475C-218

Query Match      40.0%; Score 20.8; DB 4; Length 498;
Best Local Similarity 64.6%; Pred. No. 22;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 2 ABACTAGGTCAAAGGTCATGCTCTTTAGGCCCAAACTAGGTCNAAGG 49
Db 152 AAACTAGGTCAGTGAGTGACTGTGCACAGTTCCAAAGCTAATAAAATG 199

RESULT 9
US-09-404-879A-26/c
; Sequence 26, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-03-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-26

Query Match      40.0%; Score 20.8; DB 4; Length 541;
Best Local Similarity 78.1%; Pred. No. 22;
Matches 25; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 6 CTAGGTCAAAGGTCATGCTCTTTAGGCCCAAAA 37
Db 294 CAAGGTCAGAGGACATGCTTTTAGCCCCCAA 263

RESULT 10
US-09-338-933-26/c
; Sequence 26, Application US/09338933
; Patent No. 6488931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.462C1
; CURRENT APPLICATION NUMBER: US/09/338,933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapien
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US-09-338-933-26

Query Match      40.0%; Score 20.8; DB 4; Length 541;
Best Local Similarity 78.1%; Pred. No. 22;
Matches 25; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 6 CTAGGTCAAAGGTCATGCTCTTTAGGCCCAAAA 37
Db 294 CAAGGTCAGAGGACATGCTTTTAGCCCCCAA 263

RESULT 11
US-09-215-681-26/c
; Sequence 26, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; TITLE OF INVENTION: OF OVARIAN CANCER
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215,681A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-215-681-26

Query Match      40.0%; Score 20.8; DB 4; Length 541;
Best Local Similarity 78.1%; Pred. No. 22;
Matches 25; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 6 CTAGGTCAAAGGTCATGCTCTTTAGGCCCAAAA 37
Db 294 CAAGGTCAGAGGACATGCTTTTAGCCCCCAA 263

RESULT 12
US-09-216-003A-26/c
; Sequence 26, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216,003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 541
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-216-003A-26

Query Match      40.0%; Score 20.8; DB 4; Length 541;
Best Local Similarity 78.1%; Pred. No. 22;
Matches 25; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 6 CTAGGTCAAAGGTCATGCTCTTTAGGCCCAAAA 37
Db 294 CAAGGTCAGAGGACATGCTTTTAGCCCCCAA 263

RESULT 13
US-09-328-475C-335/c
; Sequence 335, Application US/09328475C
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Patent No. 6476207
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jimmy
; APPLICANT: Astel, Jon H.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Endege, Wilson O.
; APPLICANT: Ford, Donna M.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Steinmann, Kathleen E.
; TITLE OF INVENTION: GENES AND GENE EXPRESSION PRODUCTS THAT
; TITLE OF INVENTION: ARE DIFFERENTIALLY REGULATED IN PROSTATE CANCER
; FILE REFERENCE: 1532.002/200130.463
; CURRENT APPLICATION NUMBER: US/09/328,475C
; CURRENT FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 335
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-328-475C-335

Query Match 40.0%; Score 20.8; DB 4; Length 1312;
Best Local Similarity 64.6%; Pred. No. 28;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 2 AAAAAGTGGTCAAGGTCATGCTTTTAGGCCCAAACTAGTGTCAAAGG 49
Db 1263 AAAAAGTGGTGGAGTGGTGTGTCACAGTTCCAAAGCTATAAAATG 1216

RESULT 14
US-07-925-695-3
; Sequence 3, Application US/07925695
; Patent No. 5428145
; GENERAL INFORMATION:
; APPLICANT: OKAMOTO, Hiroaki
; APPLICANT: NAKAMURA, Tetsuo
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
; TITLE OF INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
; TITLE OF INVENTION: DETECTION SYSTEMS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Beveridge, DeGrandi, Weillacher & Young
; STREET: 1850 M Street, N.W., Suite 800
; CITY: Washington
; STATE: D.C.
; COUNTRY: US
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/925,695
; FILING DATE: 19920807
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 287402/91
; FILING DATE: 09-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 360441/91
; FILING DATE: 05-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Weillacher, Robert G.
; REGISTRATION NUMBER: 20,531
; REFERENCE/DOCKET NUMBER: 06/87-48009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2811
; TELEFAX: (202) 659-1462
; TELEX: WUI 64470

INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3970 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
US-07-925-695-3

Query Match 40.0%; Score 20.8; DB 1; Length 3970;
Best Local Similarity 64.8%; Pred. No. 38;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 5 ACTAGTCTCAAGGTCATGCTTTTAGGCCCAAACTAGTGTCAAAGGTCA 52
Db 1954 ACTTGTCCAGGCACATGGCATCATCCCAACATTAGGACTGGGGTCA 2001

RESULT 15
US-09-620-312D-619
; Sequence 619, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yuning
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Dmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 619
; LENGTH: 5531
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (108)..(1856)
US-09-620-312D-619

Query Match 40.0%; Score 20.8; DB 4; Length 5531;
Best Local Similarity 70.0%; Pred. No. 41;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 CAAAGTCTAGTCAAGGTCATGCTTTTAGGCCCAAACTA 40
Db 2527 CTAAGTAGGTACTGTGTATATCTTTTTCCTCAATATTA 2566

Search completed: April 9, 2004, 01:27:46
Job time : 10.9914 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 58.6809 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-4
Perfect score: 52
Sequence: 1 caaaactaggctcaagggtca.....caaaactaggctcaagggtca 52

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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3:	/cgn2_6/ptodata/2/pubpna/US05_NEW_PUB.seq:*
4:	/cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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11:	/cgn2_6/ptodata/2/pubpna/US09D_PUBCOMB.seq:*
12:	/cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
13:	/cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
14:	/cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
15:	/cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
16:	/cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
17:	/cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
18:	/cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	52	100.0	52	9	US-09-808-388-4
2	24.8	47.7	408	14	US-10-214-684A-3
3	24.4	46.9	1350	12	US-10-282-122A-28035
C 4	23.6	45.4	1821	15	US-10-260-238-1420
C 5	23.4	45.0	480	15	US-10-027-632-51055
C 6	23.4	45.0	517	15	US-10-027-632-82715
7	23.2	44.6	12596	15	US-10-292-798-889
8	23.2	44.6	12839	14	US-10-017-161-1047
9	23	44.2	559	15	US-10-027-632-245490
10	23	44.2	559	15	US-10-027-632-245491
11	23	44.2	867	9	US-09-770-445-571
C 12	23	44.2	3077	14	US-10-128-714-349
C 13	23	44.2	3078	14	US-10-128-714-5349
C 14	22.8	43.8	60	10	US-09-877-705A-142
C 15	22.8	43.8	60	10	US-09-877-738A-142

16	22.8	43.8	559	15	US-10-027-632-271817	Sequence 271817,
17	22.8	43.8	632	15	US-10-027-632-271818	Sequence 271818,
C 18	22.8	43.8	659	15	US-10-027-632-11556	Sequence 11556, A
C 19	22.8	43.8	1248	15	US-10-027-632-124870	Sequence 124870, A
C 20	22.8	43.8	1418	10	US-09-814-353-21334	Sequence 21334, A
C 21	22.8	43.8	1461	12	US-10-282-122A-22438	Sequence 22438, A
C 22	22.6	43.5	1035	12	US-10-282-122A-15987	Sequence 15987, A
C 23	22.4	43.1	472	12	US-10-424-599-49385	Sequence 49385, A
C 24	22.4	43.1	971	12	US-10-425-114-11342	Sequence 11342, A
C 25	22.4	43.1	994	12	US-10-424-599-3951	Sequence 3951, Ap
C 26	22.4	43.1	4290	12	US-10-282-122A-16164	Sequence 16164, A
C 27	22.2	42.7	451	10	US-09-918-995-2661	Sequence 2661, Ap
C 28	22.2	42.7	456	10	US-09-918-995-15681	Sequence 15681, A
C 29	22.2	42.7	666	15	US-10-027-632-141504	Sequence 141504,
C 30	22.2	42.7	692	15	US-10-027-632-141503	Sequence 141503,
C 31	22.2	42.7	1079	15	US-10-027-632-262321	Sequence 262321,
C 32	22.2	42.7	42999	9	US-09-799-462A-17	Sequence 17, Appl
C 33	22.2	42.7	42999	10	US-09-836-911A-17	Sequence 17, Appl
C 34	22.2	42.7	42999	10	US-09-738-630-73	Sequence 73, Appl
C 35	22.2	42.7	42999	13	US-10-125-767-17	Sequence 17, Appl
C 36	22.2	42.7	42999	14	US-10-151-081-17	Sequence 17, Appl
C 37	22.2	42.7	42999	14	US-10-287-313-17	Sequence 17, Appl
C 38	22.2	42.7	42999	14	US-10-219-694-17	Sequence 17, Appl
C 39	22	42.3	584	15	US-10-369-493-25022	Sequence 25022, A
C 40	22	42.3	663	15	US-10-369-493-25665	Sequence 25665, A
C 41	22	42.3	1173	15	US-10-027-632-209694	Sequence 209694,
C 42	22	42.3	3837	14	US-10-032-585-6806	Sequence 6806, Ap
C 43	21.8	41.9	157	14	US-10-029-386-26113	Sequence 26113, A
C 44	21.8	41.9	352	9	US-09-770-791-681	Sequence 681, App
C 45	21.8	41.9	449	12	US-10-424-599-65926	Sequence 65926, A

ALIGNMENTS

RESULT 1

US-09-808-388-4
; Sequence 4, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising then
; FILE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 52
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
US-09-808-388-4

Query Match 100.0%; Score 52; DB 9; Length 52;
Best Local Similarity 100.0%; Pred. No. 8e-11;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAGGTCATGCTTTAGGCCCAAACTAGTCAAGGTCA 52
DB 1 CAAACTAGGTCAGGTCATGCTTTAGGCCCAAACTAGTCAAGGTCA 52

RESULT 2

US-10-214-684A-3
; Sequence 3, Application US/10214684A
; Publication No. US20030190636A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: POLYMORPHIC MARKERS OF THE LSR GENE
; FILE REFERENCE: G-057U504DIV
; CURRENT APPLICATION NUMBER: US/10/214,684A
; CURRENT FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: US 09/499,522
; PRIOR FILING DATE: 2000-02-10
; PRIOR APPLICATION NUMBER: US 60/119,592
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: US 60/144,784
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent.pm
; SEQ ID NO 3
; LENGTH: 408
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 353
; OTHER INFORMATION: 99-14424-353 : polymorphic base A or G
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 334..352
; OTHER INFORMATION: 99-14424-353.mis1 real
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 354..376
; OTHER INFORMATION: 99-14424-353.mis2 potential, complement
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 1..20
; OTHER INFORMATION: upstream amplification primer
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 388..408
; OTHER INFORMATION: downstream amplification primer, complement
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 118..118
; OTHER INFORMATION: Any nucleotide.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 155..155
; OTHER INFORMATION: Any nucleotide.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 168..168
; OTHER INFORMATION: Any nucleotide.
US-10-214-684A-3

Query Match 47.7%; Score 24.8; DB 14; Length 408;
Best Local Similarity 80.6%; Pred. No. 7.1;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 12 CAAAGGTCATGCTTTTAGGCCCAAACTAGGTCAA 47
DB 348 CACACGACATGGCTTTAGGCCCAAACTAGGTAAA 383

RESULT 3

US-10-282-122A-28035
; Sequence 28035, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu

; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Chlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-03-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28035
; LENGTH: 1390
; TYPE: DNA
; ORGANISM: Mycoplasma pneumoniae
US-10-282-122A-28035

Query Match 46.9%; Score 24.4; DB 12; Length 1350;
Best Local Similarity 68.0%; Pred. No. 14;
Matches 34; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 1 CAAAACTAGGTCAAAGGTCATGCTTTTAGGCCCAAACTAGGTCAAAGT 50
DB 346 CCAAAGCAGGTCACTGCTTAAGGCTTAAGGCCCAATATTGGTCAGAGT 395

RESULT 4

US-10-260-238-1420/c
; Sequence 1420, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:

; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Glazebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyaki
; APPLICANT: Kreps, Joel
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26

Query Match 44.6%; Score 23.2; DB 15; Length 12596;
Best Local Similarity 77.8%; Pred. No. 76;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 8 AGGTCAAGGTCATGCTTTAGGCCCAAACTAGGT 43
|||||
Db 8424 AGGTAAAGGTCAGGCTATCAGGCCAAAACCTGGT 8459
|||||

RESULT 8

US-10-017-161-1047
; Sequence 1047, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1047
; LENGTH: 12839
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(12839)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(240)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (962)..(1276)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (6743)..(6842)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11556)..(12639)
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (3251)..(3350)
; OTHER INFORMATION: a, t, c, g, unknown or other
; NAME/KEY: modified base
; LOCATION: (12171)..(12270)
; OTHER INFORMATION: a, t, c, g, unknown or other
US-10-017-161-1047

Query Match 44.6%; Score 23.2; DB 14; Length 12839;
Best Local Similarity 77.8%; Pred. No. 76;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 8 AGGTCAAGGTCATGCTTTAGGCCCAAACTAGGT 43
|||||
Db 8553 AGGTAAAGGTCAGGCTATCAGGCCAAAACCTGGT 8588
|||||

RESULT 9

US-10-027-632-245490
; Sequence 245490, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 245490
; LENGTH: 559
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-245490

Query Match 44.2%; Score 23; DB 15; Length 559;
Best Local Similarity 68.1%; Pred. No. 39;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 3 AAATAGGTCAAGGTCATGCTTTAGGCCCAAACTAGTCAAAGG 49
|||||
Db 167 AAGCATAGAAAAAAGGTCATGTGAAGGCTCAAAAGTAGGAGAAAGG 213
|||||

RESULT 10

US-10-027-632-245491
; Sequence 245491, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 245491
; LENGTH: 559
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-245491

Query Match 44.2%; Score 23; DB 15; Length 559;
Best Local Similarity 68.1%; Pred. No. 39;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 3 AAATAGGTCAAGGTCATGCTTTAGGCCCAAACTAGTCAAAGG 49
|||||

Db 167 AACCATAGAAAAAGGCATGTGTGAGGCTCAAAAGTAGGAAAGG 213

RESULT 11

US-09-770-445-571

; Sequence 571, Application US/09770445

; Patent No. US20020023281A1

; GENERAL INFORMATION:

; APPLICANT: Goralach, Jorn

; APPLICANT: An, Yong-Qiang

; APPLICANT: Hamilton, Carol M.

; APPLICANT: Price, Jennifer L.

; APPLICANT: Raines, Tracy M.

; APPLICANT: Yu, Yang

; APPLICANT: Rameaka, Joshua G.

; APPLICANT: Page, Amy

; APPLICANT: Matthew, Abraham V.

; APPLICANT: Ledford, Brooke L.

; APPLICANT: Woessner, Jeffrey P.

; APPLICANT: Haas, William David

; APPLICANT: Garcia, Carlos A.

; APPLICANT: Kicker, Maja

; APPLICANT: Slader, Ted

; APPLICANT: Davis, Keith R.

; APPLICANT: Allen, Keith

; APPLICANT: Hoffman, Neil

; APPLICANT: Hurban, Patrick

; TITLE OF INVENTION: Expressed Sequences of Arabidopsis

; FILE REFERENCE: 2023US (PARA-012PRV)

; CURRENT APPLICATION NUMBER: US/09/770,445

; CURRENT FILING DATE: 2001-01-26

; PRIOR APPLICATION NUMBER: US 60/178,472

; PRIOR FILING DATE: 2000-01-27

; NUMBER OF SEQ ID NOS: 999

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 571

; LENGTH: 867

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)..(867)

; OTHER INFORMATION: n = A,T,C or G

US-09-770-445-571

Query Match 44.2%; Score 23; DB 9; Length 867;

Best Local Similarity 70.74; Pred. No. 44;

Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 7 TAGGTCAAGGTCATGCTTTAGGCCCAAACTAGGTCAAA 47

Db 606 TAGGTACCAATCACTGCTTTGGCGCACTAGATNAA 646

RESULT 12

US-10-128-714-349/c

; Sequence 349, Application US/10128714

; Publication No. US20030119013A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Bo

; APPLICANT: Hu, Wenqi

; APPLICANT: Tishkoff, Daniel

; APPLICANT: Zamudio, Carlos

; APPLICANT: Eroshkin, Alexey M

; APPLICANT: Lemieux, Sebastien M

; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and

; FILE REFERENCE: 10182-018-999

; CURRENT APPLICATION NUMBER: US/10/128,714

; CURRENT FILING DATE: 2002-04-23

; PRIOR APPLICATION NUMBER: US 60/285,697

; PRIOR FILING DATE: 2001-04-23

; PRIOR APPLICATION NUMBER: US 60/287,066

; PRIOR FILING DATE: 2001-04-27

; PRIOR APPLICATION NUMBER: US 60/295,890

; PRIOR FILING DATE: 2001-06-05

; PRIOR APPLICATION NUMBER: US 60/303,899

; PRIOR FILING DATE: 2001-07-09

; PRIOR APPLICATION NUMBER: US 60/316,362

; PRIOR FILING DATE: 2001-08-31

; NUMBER OF SEQ ID NOS: 8603

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 349

; LENGTH: 3077

; TYPE: DNA

; ORGANISM: Aspergillus fumigatus

US-10-128-714-349

Query Match 44.2%; Score 23; DB 14; Length 3077;

Best Local Similarity 68.1%; Pred. No. 62;

Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 2 AAACTAGGTCAAAGGTCATGCTTTAGGCCCAAAACTAGGTCAAAG 48

Db 2623 AAGACTACGAGAAGATACATGCTTTAACACACGACTAAGTCATAG 2577

RESULT 13

US-10-128-714-5349/c

; Sequence 5349, Application US/10128714

; Publication No. US20030119013A1

; GENERAL INFORMATION:

; APPLICANT: Jiang, Bo

; APPLICANT: Hu, Wenqi

; APPLICANT: Tishkoff, Daniel

; APPLICANT: Zamudio, Carlos

; APPLICANT: Eroshkin, Alexey M

; APPLICANT: Lemieux, Sebastien M

; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and

; FILE REFERENCE: 10182-018-999

; CURRENT APPLICATION NUMBER: US/10/128,714

; CURRENT FILING DATE: 2002-04-23

; PRIOR APPLICATION NUMBER: US 60/285,697

; PRIOR FILING DATE: 2001-04-23

; PRIOR APPLICATION NUMBER: US 60/287,066

; PRIOR FILING DATE: 2001-04-27

; PRIOR APPLICATION NUMBER: US 60/295,890

; PRIOR FILING DATE: 2001-06-05

; PRIOR APPLICATION NUMBER: US 60/303,899

; PRIOR FILING DATE: 2001-07-09

; PRIOR APPLICATION NUMBER: US 60/316,362

; PRIOR FILING DATE: 2001-08-31

; NUMBER OF SEQ ID NOS: 8603

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 5349

; LENGTH: 3078

; TYPE: DNA

; ORGANISM: Aspergillus fumigatus

US-10-128-714-5349

Query Match 44.2%; Score 23; DB 14; Length 3078;

Best Local Similarity 68.1%; Pred. No. 62;

Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 2 AAACTAGGTCAAAGGTCATGCTTTAGGCCCAAAACTAGGTCAAAG 48

Db 2624 AAGACTACGAGAAGATACATGCTTTAACACACGACTAAGTCATAG 2578

RESULT 14

US-09-877-705A-142/c

; Sequence 142, Application US/09877705A

; Publication No. US20030008283A1

; GENERAL INFORMATION:

```
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD FOR SCREENING FOR DRUG CANDIDATES FOR MODULATING TRANSCRIPTION FACTOR ACTIVITY
; FILE REFERENCE: 26757-704
; CURRENT APPLICATION NUMBER: US/09/877,705A
; CURRENT FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 142
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Hybridization probe MP68
US-09-877-705A-142
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Query Match          43.8%; Score 22.8; DB 10; Length 60;
Best Local Similarity 75.0%; Pred. No. 26;
Matches 45; Conservative 0; Mismatches 7; Indels 8; Gaps 1;

Qy 1 CAAAACCTAGGTCAAAGGTC-----ATGCTTTTAGGCCCAAACTAGGTCAAAGGTCA 52
    |||||
Db 60 CAAAACCTAGGTCAAAGGTCACAAAACCTAGGTCAAAGGTCACAAAACCTAGGTCAAAGGTCA 1
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```
RESULT 15
US-09-877-738A-142/c
; Sequence 142, Application US/09877738A
; Publication No. US20030022173A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD AND KIT FOR ISOLATING DNA PROBES THAT BIND TO ACTIVATED TRANSCRIPTION FACTORS
; FILE REFERENCE: 26757-701
; CURRENT APPLICATION NUMBER: US/09/877,738A
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 142
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Hybridization probe MP68
US-09-877-738A-142
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Query Match          43.8%; Score 22.8; DB 10; Length 60;
Best Local Similarity 75.0%; Pred. No. 26;
Matches 45; Conservative 0; Mismatches 7; Indels 8; Gaps 1;

Qy 1 CAAAACCTAGGTCAAAGGTC-----ATGCTTTTAGGCCCAAACTAGGTCAAAGGTCA 52
    |||||
Db 60 CAAAACCTAGGTCAAAGGTCACAAAACCTAGGTCAAAGGTCACAAAACCTAGGTCAAAGGTCA 1
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Search completed: April 9, 2004, 06:43:19
Job time : 58.6809 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 7.0894 Seconds
(without alignments)
3209.437 Million cell updates

Title: US-09-808-388-3

Perfect score: 41

Sequence: 1 caaaactaggtcaaaggtca.....caaaactaggtcaaaggtca 41

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 sens. 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

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Post-processing: Minimum Match

Post-processing:	Minimum	Match	0%
	Maximum	Match	100%

Maximum Match 100%
Listing first 45 summaries

Database :

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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
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2: /cgn2_6/ptodata/2/ina/3B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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4: /cqn2_6/ptodata/2/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq:*

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6: /cqn2_6/ptodata/2/ina/backfiles1.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
C 1	23	56.1	580073	4	US-08-545-528D-1		Sequence 1, Appli
C 2	22.4	54.6	3295	4	US-09-336-447A-8		Sequence 8, Appli
C 3	22.4	54.6	3349	4	US-09-336-447A-2		Sequence 2, Appli
C 4	21.2	51.7	1305	4	US-09-328-352-3178		Sequence 3178, Ap
C 5	21	51.2	865	3	US-09-328-111-128		Sequence 128, App
C 6	20.4	49.8	910	3	US-09-328-111-129		Sequence 129, App
C 7	20.4	49.8	3900	1	US-08-123-343A-6		Sequence 6, Appli
C 8	20.2	49.3	1140	4	US-09-328-352-1678		Sequence 1678, Ap
C 9	20.2	49.3	2308	1	US-07-686-591-3		Sequence 3, Appli
C 10	20.2	49.3	2308	1	US-07-970-715-3		Sequence 3, Appli
C 11	20	48.8	966	4	US-09-328-352-1604		Sequence 1604, Ap
C 12	20	48.8	1200	4	US-09-222-938A-47		Sequence 47, Appl
C 13	19.8	48.3	1797	2	US-08-366-490-5		Sequence 5, Appli
C 14	19.8	48.3	1797	3	US-08-860-483A-5		Sequence 5, Appli
C 15	19.8	48.3	1900	2	US-08-366-490-7		Sequence 7, Appli
C 16	19.8	48.3	1900	3	US-08-860-483A-8		Sequence 8, Appli
C 17	19.8	48.3	1900	3	US-08-860-483A-9		Sequence 9, Appli
C 18	19.8	48.3	3172	4	US-09-976-594-400		Sequence 400, App
C 19	19.8	48.3	15894	1	US-08-348-831A-1		Sequence 1, Appli
C 20	19.8	48.3	15894	1	US-08-908-817-1		Sequence 1, Appli
C 21	19.8	48.3	15894	3	US-09-272-032-8		Sequence 8, Appli
C 22	19.8	48.3	19056	3	US-09-443-218-8		Sequence 8, Appli
C 23	19.6	47.8	2868	2	US-08-389-564B-3		Sequence 3, Appli
C 24	19.6	47.8	2868	3	US-08-466-047B-3		Sequence 3, Appli
C 25	19.4	47.3	384	4	US-09-107-532A-1817		Sequence 1817, Ap
C 26	19.4	47.3	1143	4	US-09-170-496D-61		Sequence 61, Appl
C 27	19.4	47.3	1143	4	US-09-170-496D-197		Sequence 197, App

ALIGNMENTS

```

RESULT 1
US-08-545-528D-1/c
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; Patent No. 6537773
; TITLE OF INVENTION: Thereof, and Uses Thereof
; FILE REFERENCE: PB193PI
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

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Query Match          56.1%; Sequence 23; DB 4; Length 580073;
Best Local Similarity 74.4%; Pred.No.14;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY      3  AAAC TAGGTC AAAGGTC ATCAAAA CTAGGTC AAAGTCA 41
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      21505 AAATTGGT AAAACAAAATCA AAAACAAGATCAAAAGATCA 21467

RESULT 2
US-09-336-447A-8
; Sequence 8, Application US/09336447A
; Patent No. 6310190
; GENERAL INFORMATION:
; APPLICANT: HANSEN, ERIC J.
; APPLICANT: AEBI, CHRISTOPH
; APPLICANT: COPE, LESLIE D.
; APPLICANT: MACIVER, ISOBEL
; APPLICANT: FISKE, MICHAEL J.
; APPLICANT: FREDENBURG, ROSS A.
; TITLE OF INVENTION: USP41 AND USP42 ANTIGENS OF MORAXELLA CATARRHALIS
; FILE REFERENCE: AMCY:024
; CURRENT APPLICATION NUMBER: US/09/336,447A
; CURRENT FILING DATE: 1999-06-21
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: PatentIn Ver 2.1

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; SEQ ID NO 8
; LENGTH: 3295
; TYPE: DNA
; ORGANISM: Moraxella catarrhalis
US-09-336-447A-8

Query Match          54.6%; Score 22.4; DB 4; Length 3295;
Best Local Similarity 72.5%; Pred. No. 6.4;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 CAAAAGTGGTCAAGGTCATCAAACTAGGTCAAGGTC 40
Db 2118 CAAGATAATATCAAGATCTTCAGAGGAGGTCAAGGTC 2157

RESULT 3
US-09-336-447A-2
; Sequence 2, Application US/09336447A
; Patent No. 6310190
; GENERAL INFORMATION:
; APPLICANT: HANSEN, ERIC J.
; APPLICANT: AEBI, CHRISTOPH
; APPLICANT: COPE, LESLIE D.
; APPLICANT: MACIVER, ISOBEL
; APPLICANT: FISKE, MICHAEL J.
; APPLICANT: FREDENBURG, ROSS A.
; TITLE OF INVENTION: USP41 AND USP42 ANTIGENS OF MORAXELLA CATARRHALIS
; FILE REFERENCE: AMCY:024
; CURRENT APPLICATION NUMBER: US/09/336,447A
; CURRENT FILING DATE: 1999-06-21
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 3349
; TYPE: DNA
; ORGANISM: Moraxella catarrhalis
US-09-336-447A-2

Query Match          54.6%; Score 22.4; DB 4; Length 3349;
Best Local Similarity 72.5%; Pred. No. 6.5;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 CAAAAGTGGTCAAGGTCATCAAACTAGGTCAAGGTC 40
Db 1311 CAAGATGATATCAAGATCTTCAGAGGAGGTCAAGGTC 1350

RESULT 4
US-09-328-352-3178/c
; Sequence 3178, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Berton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTG99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3178
; LENGTH: 1305
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3178

Query Match          51.7%; Score 21.2; DB 4; Length 1305;
Best Local Similarity 76.5%; Pred. No. 15;
Matches 26; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 AAAAGTGGTCAAGGTCATCAAACTAGGTCAA 35
Db 65 ATAAGAGGGCAAGGTCATTAACCTAAGGCA 32
```

```
RESULT 5
US-09-328-111-128/c
; Sequence 128, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astie, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 128
; LENGTH: 865
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)...(865)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-128

Query Match          51.2%; Score 21; DB 3; Length 865;
Best Local Similarity 71.1%; Pred. No. 16;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 CAAAAGTGGTCAAGGTCATCAAACTAGGTCAAGG 38
Db 595 CAAAATAAGNCAAGGCAAGGAACCTTGCCAAAGG 558

RESULT 6
US-09-328-111-129
; Sequence 129, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astie, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 129
```


LENGTH: 910
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)_(910)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-129

Query Match 49.8%; Score 20.4; DB 3; Length 910;
Best Local Similarity 71.1%; Pred. No. 29;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 CAAACTAGTCAAGGTCATCAAACTAGGTCAAAGG 38
|||||
DB 154 CAAATATAGACAAAGGCGCAAGGAACCTTGCCAAAGG 191

RESULT 7

US-08-123-343A-6/c
Sequence 6, Application US/08123343A
Patent No. 5593879
GENERAL INFORMATION:
APPLICANT: Steller, Hermann
APPLICANT: Abrams, John M.
APPLICANT: Grether, Megan E.
APPLICANT: White, Kristin
TITLE OF INVENTION: Cell Death Genes of Drosophila
TITLE OF INVENTION: Melanogaster and Vertebrate Analogs
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/123,343A
FILING DATE: 17-SEP-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,957
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-5907A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 61861-9540
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 3900 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
US-08-123-343A-6

Query Match 49.8%; Score 20.4; DB 1; Length 3900;
Best Local Similarity 71.1%; Pred. No. 42;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 2 AAAACTAGTCAAGGTCATCAAACTAGGTCAAAGG 39
|||||
DB 2126 AAATGCAATCAAGATTATCAAACTATCTCAAAAGT 2089

RESULT 8

US-09-328-352-1678/c
Sequence 1678, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 1678
LENGTH: 1140
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-1678

Query Match 49.3%; Score 20.2; DB 4; Length 1140;
Best Local Similarity 75.8%; Pred. No. 37;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 AAACTAGTCAAGGTCATCAAACTAGGTCA 34
|||||
DB 986 AAAGCTTGTCAAAGGTCTGCATACCAAGTTCA 954

RESULT 9

US-07-686-591-3
Sequence 3, Application US/07686591
Patent No. 5215915
GENERAL INFORMATION:
APPLICANT: Tiberi, Mario
APPLICANT: Jarvie, Keith R.
APPLICANT: Caron, Marc G.
TITLE OF INVENTION: Cloned Gene Encoding Rat D1B Dopamine Receptor
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and Gibson
STREET: Post Office Drawer 34009
CITY: Charlotte
STATE: No. 5215915th Carolina
COUNTRY: U.S.A.
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/686,591
FILING DATE: 19910406
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5405.24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
TELEX: 575102
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2308 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS

/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fitzpatrick, Cella, Harper, and Scinto
/ STREET: 277 Park Avenue
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10172-0194
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: 4869
/ FILING DATE: 30-DEC-1994
/ CLASSIFICATION: 800
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Fitzpatrick, Cella, Harper, and Scinto
/ REFERENCE/DOCKET NUMBER: 4869
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212-758-2400
/ TELEFAX: 212-758-2982
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1797 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ FRAGMENT TYPE: internal
/ ORIGINAL SOURCE:
/ ORGANISM: PAPAYA RINGSPOT VIRUS
/ STRAIN: P-TYPE
/ INDIVIDUAL ISOLATE: USA (HA attenuated)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 3..1782
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 3..191
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 192..362
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 363..1643
/ FEATURE:
/ NAME/KEY: mat_peptide
/ LOCATION: 1644..1782
/ US-08-366-490-5

Query Match 48.3%; Score 19.8; DB 2; Length 1797;
Best Local Similarity 69.2%; Pred. No. 60;
Matches 27; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 CAAAACCTAGTCAAGGTCATCAAACTAGGTCAAGGT 39
DB 1214 CAGAGCTAGGTTTAGGGCCATGAAGCTGGGGACAAGGT 1252

RESULT 14

US-08-860-483A-5
/ Sequence 5, Application US/08860483A
/ Patent No. 6046384
/ GENERAL INFORMATION:
/ APPLICANT: McMaster, J. R.
/ APPLICANT: Boeshore, Maury L.
/ APPLICANT: Tricoli, David M.
/ APPLICANT: Reynolds, John F.
/ APPLICANT: Carney, Kim J.
/ APPLICANT: Slighton, Jerry L.

/ APPLICANT: Gonsalves, Dennis
/ TITLE OF INVENTION: Papaya Ringspot Virus N1a Protease Gene
/ NUMBER OF SEQUENCES: 13
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Rocky, Milnamow & Katz
/ STREET: 180 N. Stetson Avenue, 2 Prudential Plaza,
/ CITY: Chicago
/ STATE: IL
/ COUNTRY: USA
/ ZIP: 60601
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/860,483A
/ FILING DATE: 26-JUN-1997
/ CLASSIFICATION: 800
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mueller, Lisa V.
/ REGISTRATION NUMBER: 38,978
/ REFERENCE/DOCKET NUMBER: SVS3801P0091US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 3126165400
/ TELEFAX: 3126165460
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1797 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 3..1779
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1782..1797
/ US-08-860-483A-5

Query Match 48.3%; Score 19.8; DB 3; Length 1797;
Best Local Similarity 69.2%; Pred. No. 60;
Matches 27; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 CAAAACCTAGTCAAGGTCATCAAACTAGGTCAAGGT 39
DB 1214 CAGAGCTAGGTTTAGGGCCATGAAGCTGGGGACAAGGT 1252

RESULT 15

US-08-366-490-7
/ Sequence 7, Application US/08366490
/ Patent No. 5877403
/ GENERAL INFORMATION:
/ APPLICANT: McMaster, J. Russell
/ APPLICANT: Boeshore, Maury L.
/ APPLICANT: Tricoli, David M.
/ APPLICANT: Reynolds, John F.
/ APPLICANT: Carney, Kim J.
/ TITLE OF INVENTION: PAPAYA RINGSPOT VIRUS PROTEASE GENE
/ NUMBER OF SEQUENCES: 10
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fitzpatrick, Cella, Harper, and Scinto
/ STREET: 277 Park Avenue
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10172-0194
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible

Search completed: April 9, 2004, 01:27:44
Job time : 9.0894 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 46.2677 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-3
Perfect score: 41
Sequence: 1 caaaactaggtcaaaaggtca.....caaaactaggtcaaaaggtca 41

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 247585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	100.0	41	9	US-09-808-388-3
2	41	100.0	332	9	US-09-808-388-6
3	29	70.7	60	10	US-09-877-705A-142
4	29	70.7	60	10	US-09-877-738A-142
5	25	61.0	38	9	US-09-808-388-2
6	23.6	57.6	177556	10	US-09-952-213D-6
7	23.2	56.6	582	12	US-10-424-599-53103
8	23	56.1	580073	14	US-10-205-220-1
9	22.4	54.6	862	12	US-10-424-599-139279
10	22.4	54.6	3295	10	US-09-952-267-8
11	22.4	54.6	3349	10	US-09-952-267-2
12	22.2	54.1	3130	12	US-10-424-599-56034
13	22	53.7	2940917	15	US-10-027-632-174763
14	21.6	52.7	785	15	US-10-027-632-158188
15	21.6	52.7	785	15	US-10-027-632-158189

C 16	21.6	52.7	715517	15	US-10-027-632-53712	Sequence 53712, A
C 17	21.4	52.2	430	14	US-10-102-524-1082	Sequence 1082, Ap
C 18	21.4	52.2	474	10	US-09-918-998-29668	Sequence 29668, A
C 19	21.4	52.2	512	14	US-10-102-524-433	Sequence 433, App
C 20	21.4	52.2	634	14	US-10-060-036-215	Sequence 215, App
C 21	21.4	52.2	910	14	US-10-190-312A-86	Sequence 86, Appl
C 22	21.4	52.2	978	15	US-10-027-632-32444	Sequence 32444, A
C 23	21.4	52.2	2595	14	US-10-106-698-451	Sequence 451, App
C 24	21.4	52.2	2930	9	US-09-960-253-156	Sequence 156, App
C 25	21.4	52.2	3044	9	US-09-880-107-3718	Sequence 3718, Ap
C 26	21.4	52.2	3047	9	US-09-864-864-329	Sequence 329, App
C 27	21.4	52.2	3064	14	US-10-007-926A-53	Sequence 53, Appl
C 28	21.4	52.2	3115	9	US-09-925-299-123	Sequence 123, App
C 29	21.4	52.2	3115	10	US-09-925-299-123	Sequence 123, App
C 30	21.4	52.2	3166	15	US-10-159-563-357	Sequence 357, App
C 31	21.4	52.2	5253	12	US-10-424-599-131924	Sequence 131924, A
C 32	21.2	51.7	532	9	US-09-864-761-7870	Sequence 7870, Ap
C 33	21.2	51.7	1299	12	US-10-282-132A-8799	Sequence 8799, Ap
C 34	21.2	51.7	1300	12	US-10-424-599-129901	Sequence 129901, A
C 35	21	51.2	52	9	US-09-808-388-4	Sequence 4, Appli
C 36	21	51.2	602	15	US-10-027-632-168	Sequence 168, App
C 37	21	51.2	611	15	US-10-027-632-294268	Sequence 294268, A
C 38	21	51.2	613	15	US-10-027-632-54461	Sequence 54461, A
C 39	21	51.2	624	15	US-10-027-632-228822	Sequence 228822, A
C 40	21	51.2	752	15	US-10-131-827-8209	Sequence 8209, Ap
C 41	21	51.2	865	9	US-09-879-536-128	Sequence 128, App
C 42	21	51.2	9218	10	US-09-764-872-951	Sequence 951, App
C 43	21	51.2	1503841	9	US-09-795-668-1	Sequence 1, Appli
C 44	21	51.2	1503841	9	US-09-795-686-1	Sequence 1, Appli
C 45	21	51.2	1503841	9	US-09-946-807-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-808-388-3
; Sequence 3, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising ther
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
US-09-808-388-3

Query Match 100.0%; Score 41; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 3.8e+06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAAAGGTCAATCAAACTAGTCAAGGTCA 41
DB 1 CAAACTAGGTCAAAAGGTCAATCAAACTAGTCAAGGTCA 41

RESULT 2
US-09-808-388-6
; Sequence 6, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; PRIOR FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE/PLAZs hybrid promoter
US-09-808-388-6

Query Match 100.0%; Score 41; DB 9; Length 332;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 41
Db 13 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 53

RESULT 3
US-09-877-705A-142/c
; Sequence 142, Application US/09877705A
; Publication No. US20030008283A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD FOR SCREENING FOR DRUG CANDIDATES FOR MODULATING TRANSCRIB
; FILE REFERENCE: 26757-704
; CURRENT APPLICATION NUMBER: US/09/877,705A
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 142
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybridization probe MP68
US-09-877-705A-142

Query Match 70.7%; Score 29; DB 10; Length 60;
Best Local Similarity 97.6%; Pred. No. 0.14;
Matches 40; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 41
Db 60 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 21

RESULT 4
US-09-877-738A-142/c
; Sequence 142, Application US/09877738A
; Publication No. US20030022173A1
; GENERAL INFORMATION:

; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD AND KIT FOR ISOLATING DNA PROBES THAT BIND TO ACTIVATED
; FILE REFERENCE: 26757-701
; CURRENT APPLICATION NUMBER: US/09/877,738A
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 142
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybridization probe MP68
US-09-877-738A-142

Query Match 70.7%; Score 29; DB 10; Length 60;
Best Local Similarity 97.6%; Pred. No. 0.14;
Matches 40; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 41
Db 60 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 21

RESULT 5
US-09-808-388-2
; Sequence 2, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising the
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
US-09-808-388-2

Query Match 61.0%; Score 25; DB 9; Length 38;
Best Local Similarity 92.7%; Pred. No. 4.1;
Matches 38; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

Qy 1 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 41
Db 1 CAAACTAGGTCAAAGGTCTATCAAACTAGGTCAAAGGTCA 38

RESULT 6
US-09-952-213D-6/c
; Sequence 6, Application US/09952213D
; Publication No. US20030096240A1
; GENERAL INFORMATION:
; APPLICANT: MURAD, PERID
; APPLICANT: SHARINA, IRAIDA G.
; APPLICANT: KRUMENACKER, J. S.
; APPLICANT: MARTIN, E.
; TITLE OF INVENTION: GENOMIC ORGANIZATION OF MOUSE AND HUMAN SGC

```

/ AEBI, CHRISTOPH
/ APPLICANT: COPE, LESLIE D.
/ APPLICANT: MACIVER, ISOBEL
/ APPLICANT: FISKE, MICHAEL J.
/ APPLICANT: FREDENBURG, ROSS A.
/ TITLE OF INVENTION: USFAL AND USFAP2 ANTIGENS OF MORAXELLA CATARRHALIS
/ FILE REFERENCE: AMCY:024
/ CURRENT APPLICATION NUMBER: US/09/952,267
/ CURRENT FILING DATE: 2001-09-12
/ PRIOR APPLICATION NUMBER: 09/336,447
/ PRIOR FILING DATE: 1999-06-21
/ NUMBER OF SEQ ID NOS: 98
/ SOFTWARE: PatentIn ver. 2.1
/ SEQ ID NO 8
/ LENGTH: 3295
/ TYPE: DNA
/ ORGANISM: Moraxella catarrhalis
/ US-09-952-267-8

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RESULT 14
US-10-027-632-159188/c
; Sequence 159188, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363

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; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158188
; LENGTH: 785
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-158188

Query Match 52.7%; Score 21.6; DB 15; Length 785;
Best Local Similarity 75.0%; Pred. No. 1.7e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 1 CAAACTAGGTCAAGGTCATCAAACTAGGTCAA 36
Db 233 CAACCTAAGTCATAGGAACCAAAAGAGGCCAA 198

RESULT 15
US-10-027-632-158189/c
; Sequence 158189, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 158189
; LENGTH: 785
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-158189

Query Match 52.7%; Score 21.6; DB 15; Length 785;
Best Local Similarity 75.0%; Pred. No. 1.7e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 1 CAAACTAGGTCAAGGTCATCAAACTAGGTCAA 36
Db 233 CAACCTAAGTCATAGGAACCAAAAGAGGCCAA 198

Search completed: April 9, 2004, 06:43:19
Job time : 54.2677 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 6.57066 Seconds
(without alignments)
3209.437 Million cell updates/sec

Title: US-09-808-388-2

Perfect score: 38

Sequence: 1 caaaactagggtcaaggtcaaaactaggtcaaggtca 38

Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PTUTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	57.9	5910	1	US-08-195-814-1
2	22	57.9	5910	1	US-08-195-814-1
3	20.6	54.2	10953	4	US-08-956-171E-62
4	20.4	53.7	421	4	US-09-621-976-12838
5	20.4	53.7	3539	4	US-09-245-248B-59
6	20.4	53.7	3853	4	US-09-245-248B-53
7	20.4	53.7	4797	4	US-09-419-568F-25
8	20.4	53.7	4797	4	US-09-354-243B-25
9	20.2	53.2	11443	4	US-08-961-527-49
10	20	52.6	47	4	US-09-422-978-3108
11	19.8	52.1	786431	4	US-09-751-389-3
12	19.6	51.6	328	4	US-09-621-976-9939
13	19.6	51.6	2991	3	US-08-795-430-48
14	19.6	51.6	2991	4	US-09-355-700-48
15	19.6	51.6	3083	4	US-09-976-594-1022
16	19.6	51.6	66986	4	US-09-596-002-29
17	19.6	51.6	148567	4	US-09-801-876B-3
18	19.6	51.6	148567	4	US-10-254-869-3
19	19.6	51.6	152331	3	US-09-128-155-16
20	19.6	51.6	176373	3	US-09-128-155-17
21	19.4	51.1	321	1	US-08-322-742-11
22	19.4	51.1	478	4	US-09-023-655-1233
23	19.4	51.1	571	1	US-08-322-742-14
24	19.4	51.1	861	4	US-09-540-236-1011
25	19.4	51.1	2309	4	US-09-016-434-1249
26	19.4	51.1	3592	3	US-08-714-918-63
27	19.4	51.1	3592	3	US-09-265-315-63

28	19.4	51.1	3592	3	US-09-265-315-63	Sequence 63, Appl
29	19.4	51.1	3592	3	US-09-266-417-63	Sequence 63, Appl
30	19.4	51.1	3592	4	US-09-528-709-63	Sequence 63, Appl
31	19.4	51.1	3592	4	US-09-527-745-63	Sequence 63, Appl
32	19.4	51.1	6464	1	US-08-321-478-2	Sequence 2, Appl
33	19.4	51.1	6464	1	US-08-321-478-4	Sequence 4, Appl
34	19.4	51.1	6464	1	US-08-321-478-6	Sequence 6, Appl
35	19.4	51.1	269223	4	US-09-596-002-41	Sequence 41, Appl
36	19	50.0	500	4	US-09-866-108A-15751	Sequence 15751, A
37	19	50.0	1288	4	US-09-724-864-16	Sequence 16, Appl
38	19	50.0	1846	4	US-09-336-536-37	Sequence 37, Appl
39	18.8	49.5	481	4	US-08-956-171E-730	Sequence 730, Appl
40	18.8	49.5	1233	4	US-09-489-039A-2858	Sequence 2858, Ap
41	18.8	49.5	1380	4	US-09-489-039A-2890	Sequence 2890, Ap
42	18.8	49.5	2403	1	US-08-454-720A-41	Sequence 41, Appl
43	18.8	49.5	3061	2	US-08-692-787-47	Sequence 47, Appl
44	18.8	49.5	3061	2	US-09-097-199-47	Sequence 47, Appl
45	18.8	49.5	3537	4	US-09-245-248B-58	Sequence 58, Appl

ALIGNMENTS

RESULT 1

US-08-195-814-1
; Sequence 1, Application US/08195814
; Patent No. 5547869
; GENERAL INFORMATION:
; APPLICANT: DUMAS, BRUNO; GERVAIS, MONICA;
; APPLICANT: BERGION, MAX; JOURDAN, MIRELITE; JOUSSET,
; APPLICANT: FRANCOISE XAVIERE
; TITLE OF INVENTION: NOVEL PLASMIDS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN AND MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/195,814
; FILING DATE: 14-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,054
; FILING DATE: 11-MAY-1992
; APPLICATION NUMBER: 07/278,735
; FILING DATE: 2-DEC-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 146.1029-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5910
; TYPE: NUCLEIC ACID
; STRANDEDNESS: UNKNOWN
; TOPOLOGY: UNKNOWN
; MOLECULE TYPE: CDNA
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: DENSOVIRUS OF JUNONIA
; STRAIN: DENSOVIRUS OF JUNONIA
; INDIVIDUAL ISOLATE:

RESULT 2
US-08-195-814-1/c
; Sequence 1, Application US/08195814
; Patent No. 5547869
; GENERAL INFORMATION:
; APPLICANT: DUMAS, BRUNO; GERVAIS, MONICA;
; APPLICANT: BERGION, MAX; JOURDAN, MIREITTE; JOUSSET,
; APPLICANT: FRANCOISE XAVIERE
; TITLE OF INVENTION: NOVEL PLASMIDS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN AND MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/195,814
; FILING DATE: 14-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,054
; FILING DATE: 11-MAY-1992
; APPLICATION NUMBER: 07/278,735
; FILING DATE: 2-DEC-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 146.1029-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5910
; TYPE: NUCLEIC ACID

APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997

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/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mark J. Hyman
/ REGISTRATION NUMBER: 46,789
/ REFERENCE/DOCKET NUMBER: PB248P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (240) 314-1224
/ TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 62:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 10953 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 62:
US-08-956-171B-62

Query Match          54.2%; Score 20.6; DB 4; Length 10953;
Best Local Similarity 74.3%; Pred. No. 46;
Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 AAAAAGTCAAGGTCAAAAGTCAAGTCAAGTCAAGT 36
DB 2746 AGAAGTCAAGGTCAAAAGTCAAGTCAAGTCAAGT 2780

RESULT 4
US-09-621-976-12838/c
Sequence 12838, Application US/09621976
Patent No. 639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 12838
LENGTH: 421
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-12838

Query Match          53.7%; Score 20.4; DB 4; Length 421;
Best Local Similarity 80.0%; Pred. No. 28;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 AAAAAGTCAAGGTCAAAAGTCAAGTCAAGTCA 31
DB 162 AAAAAGTCAAGGTCAAAAGTCAAGTCAAGTCA 133

RESULT 5
US-09-245-248B-59
Sequence 59, Application US/09245248B
Patent No. 6395472
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Leary, Thomas
APPLICANT: Erker, James
APPLICANT: Chalmers, Michelle
APPLICANT: Simons, John
APPLICANT: Birkenmeyer, Larry
APPLICANT: Muerhoff, Scott
APPLICANT: Pilot-Matias, Tami
APPLICANT: Desai, Suresh
APPLICANT: Mushahwar, Isa
TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
FILE REFERENCE: 6461.US.01
CURRENT APPLICATION NUMBER: US/09/245,248B
CURRENT FILING DATE: 1999-02-05

/ NUMBER OF SEQ ID NOS: 71
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 59
/ LENGTH: 3539
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-245-248B-59

Query Match          53.7%; Score 20.4; DB 4; Length 3539;
Best Local Similarity 80.0%; Pred. No. 44;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 9 GGTCAAAGGTCAAAAGTCAAGTCAAGGTC 38
DB 3462 GGTCAAAGGTCACGCCTACGTCATAGTCA 3491

RESULT 6
US-09-245-248B-53
Sequence 53, Application US/09245248B
Patent No. 6395472
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Leary, Thomas
APPLICANT: Erker, James
APPLICANT: Chalmers, Michelle
APPLICANT: Simons, John
APPLICANT: Birkenmeyer, Larry
APPLICANT: Muerhoff, Scott
APPLICANT: Pilot-Matias, Tami
APPLICANT: Desai, Suresh
APPLICANT: Mushahwar, Isa
TITLE OF INVENTION: METHODS OF UTILIZING THE TT VIRUS
FILE REFERENCE: 6461.US.01
CURRENT APPLICATION NUMBER: US/09/245,248B
CURRENT FILING DATE: 1999-02-05
NUMBER OF SEQ ID NOS: 71
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53
LENGTH: 3853
TYPE: DNA
ORGANISM: Homo sapien
US-09-245-248B-53

Query Match          53.7%; Score 20.4; DB 4; Length 3853;
Best Local Similarity 80.0%; Pred. No. 44;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 9 GGTCAAAGGTCAAAAGTCAAGTCAAGGTC 38
DB 3568 GGTCAAAGGTCACGTCCTACGTCATAGTGA 3597

RESULT 7
US-09-419-568F-25
Sequence 25, Application US/09419568F
Patent No. 6331613
GENERAL INFORMATION:
APPLICANT: Dumoutier, Laure
APPLICANT: Louhed, Jamila
APPLICANT: Renauld, Jean-Christophe
TITLE OF INVENTION: Isolated Nucleic Acid Molecules which Encode T Cell Inducible Factors
TITLE OF INVENTION: (Tifs) The Proteins Encoded, and Uses Thereof
FILE REFERENCE: LUD 5543.2
CURRENT APPLICATION NUMBER: US/09/419,568F
CURRENT FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: US09/354,243
PRIOR FILING DATE: 1999-07-16
PRIOR APPLICATION NUMBER: US09/178,973
PRIOR FILING DATE: 1998-10-26
NUMBER OF SEQ ID NOS: 29
SEQ ID NO 25
LENGTH: 4797
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-419-568F-25

Query Match      53.7%; Score 20.4; DB 4; Length 4797;
Best Local Similarity 80.0%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 AAAACTAGTCAAAAGGTCAAAACTAGGTCA 31
Db 1788 AAATCTAGTCACTGTGTAATCTAGGTCA 1817

RESULT 8
US-09-354-243B-25
; Sequence 25, Application US/09354243B
; Patent No. 6359117
; GENERAL INFORMATION:
; APPLICANT: Dumoutier, Laure
; APPLICANT: Louhed, Jamila
; APPLICANT: Renauld, Jean-Christophe
; TITLE OF INVENTION: Isolated Nucleic Acid Molecules which Encode T Cell Inducible Fa
; TITLE OF INVENTION: (TIFS)
; TITLE OF INVENTION: The Proteins Encoded, and Uses Thereof
; FILE REFERENCE: LUD 5543.1
; CURRENT APPLICATION NUMBER: US/09/354,243B
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: US09/178,973
; PRIOR FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 29
; SEQ ID NO 25
; LENGTH: 4797
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-354-243B-25

Query Match      53.7%; Score 20.4; DB 4; Length 4797;
Best Local Similarity 80.0%; Pred. No. 46;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 AAAACTAGTCAAAAGGTCAAAACTAGGTCA 31
Db 1788 AAATCTAGTCACTGTGTAATCTAGGTCA 1817

RESULT 9
US-08-961-527-49
; Sequence 49, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,527
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
```

```
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11443 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-961-527-49

Query Match      53.2%; Score 20.2; DB 4; Length 11443;
Best Local Similarity 75.8%; Pred. No. 66;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 4 AACTAGGTCAAAAGGTCAAAACTAGGTCAAAAGGT 36
Db 6901 AAAAGGTCAAAAGTACCAAACTGGATTAAAGGT 6933

RESULT 10
US-09-422-978-3108
; Sequence 3108, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilva
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET:020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3108
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-23549-78 : polymorphic base G or A
US-09-422-978-3108

Query Match      52.6%; Score 20; DB 4; Length 47;
Best Local Similarity 76.7%; Pred. No. 26;
Matches 23; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 7 TAGGTCAAAAGGTCAAAACTAGGTCAAAAGGT 36
Db 17 TAGCTCCRAAGTCAAAATTAGTAAAGAT 46

RESULT 11
US-03-751-389-3
; Sequence 3, Application US/09751389
; Patent No. 6630334
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001067
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; CURRENT APPLICATION NUMBER: US/09/751,389
; CURRENT FILING DATE: 2001-01-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(786431)
; OTHER INFORMATION: n = A,T,C or G
US-09-751-389-3

Query Match
Best Local Similarity 52.1%; Score 19.8; DB 4; Length 786431;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3 AAAC TAGTCAAGGTCAAACTAGGTCAAA 33
Db 190533 AAAATAGGTTAAAGGCAACCTCTTGAA 190563

RESULT 12
US-09-621-976-9939
; Sequence 9939, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 9939
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-9939

Query Match
Best Local Similarity 51.6%; Score 19.6; DB 4; Length 328;
Matches 25; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 5 ACTAGTCAAGGTCAAACTAGGTCAAGGTCA 38
Db 15 AGTATGACCATGGTTGAACCAAGGTCAAGGTGA 48

RESULT 13
US-08-795-430-48/c
; Sequence 48, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

; CURRENT APPLICATION NUMBER: US/08/795,430
; CURRENT FILING DATE: 2001-01-02
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 786431
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(786431)
; OTHER INFORMATION: n = A,T,C or G
US-09-751-389-3

Query Match
Best Local Similarity 52.1%; Score 19.8; DB 4; Length 786431;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3 AAAC TAGTCAAGGTCAAACTAGGTCAAA 33
Db 190533 AAAATAGGTTAAAGGCAACCTCTTGAA 190563

RESULT 12
US-09-621-976-9939
; Sequence 9939, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET 054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 9939
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-9939

Query Match
Best Local Similarity 51.6%; Score 19.6; DB 3; Length 2991;
Matches 25; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 CAAACTAGTCAAGGTCAAACTAGGTCAAG 34
Db 1968 CAAAGTTGAAAAGGTCACTACTATGTCAGAG 1935

RESULT 14
US-09-355-700-48/c
; Sequence 48, Application US/09355700
; Patent No. 6361946
; GENERAL INFORMATION:
; APPLICANT: Ludwig Institute for Cancer Research
; APPLICANT: Helsinki University Licensing
; APPLICANT: Alitalo, Kari (U.S. only)
; APPLICANT: Joukov, Vladimir (U.S. only)
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
```

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/355,700
; FILING DATE: 05-NOV-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/795,430
; FILING DATE: 05-FEB-1997
; APPLICATION NUMBER: PCI/F196/00427
; FILING DATE: 01-AUG-1996
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/34140
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2991 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-09-355-700-48
```

```
Query Match          51.6%; Score 19.6; DB 4; Length 2991;
Best Local Similarity 73.5%; Pred. No. 85;
Matches 25; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

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QY      1 CAAAACTAGGTCAAAGTCAAAGTCAAAGTCAAAG 34
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      1968 CAAAGTTGGAAAAGGTCACTATGTCAGAG 1935
```

```
RESULT 15
US-09-976-594-1022
; Sequence 1022, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 1022
; LENGTH: 3083
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 406580.1
US-09-976-594-1022
```

```
Query Match          51.6%; Score 19.6; DB 4; Length 3083;
Best Local Similarity 73.5%; Pred. No. 86;
Matches 25; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

```
QY      2 AAAAAGTCTAAAGTCAAAGTCAAAGTCAAAGG 35
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      3050 AAATCTAAGTCAAAGTCAAAGTCAAAGG 3083
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Search completed: April 9, 2004, 01:27:42
Job time : 8.57066 secs
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; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
; US-09-808-388-3

Query Match          65.8%; Score 25; DB 9; Length 41;
Best Local Similarity 92.7%; Pred. No. 4.2;
Matches 38; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

QY 1 CAAAACTAGGTCAAAGG---TCAAACTAGGTCAAAGGTCA 38
    |||||||  |||||||  |||||||  |||||||  |||||||
Db 1 CAAAACTAGGTCAAAGGTCAATCAAACTAGGTCAAAGGTCA 41
    |||||||  |||||||  |||||||  |||||||  |||||||

RESULT 5
US-09-808-388-6
; Sequence 6, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Bereziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising the
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE/PLA2s hybrid promoter
; US-09-808-388-6

Query Match          65.8%; Score 25; DB 9; Length 332;
Best Local Similarity 92.7%; Pred. No. 6.3;
Matches 38; Conservative 0; Mismatches 0; Indels 3; Gaps 1;

QY 1 CAAAACTAGGTCAAAGG---TCAAACTAGGTCAAAGGTCA 38
    |||||||  |||||||  |||||||  |||||||  |||||||
Db 13 CAAAACTAGGTCAAAGGTCAATCAAACTAGGTCAAAGGTCA 53
    |||||||  |||||||  |||||||  |||||||  |||||||

RESULT 6
US-10-153-668-319/c
; Sequence 319, Application US/10153668
; Publication No. US20030092616A1
; GENERAL INFORMATION:
; APPLICANT: HONDA, Goichi
; APPLICANT: MATSUDA, Akio
; APPLICANT: MURAMATSU, Shuji
; APPLICANT: ISHIZAWA, Kenya
; TITLE OF INVENTION: STAT6 Activating Gene

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```
; FILE REFERENCE: 1254-0207P
; CURRENT APPLICATION NUMBER: US/10/153,668
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: US 60/293,172
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/316,031
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 60/328,403
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: JP 2001-157043
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: JP 2001-260681
; PRIOR FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: JP 2001-313175
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 488
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 319
; LENGTH: 2113
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (138)..(1583)
US-10-153-668-319

Query Match 62.1%; Score 23.6; DB 14; Length 2113;
Best Local Similarity 76.3%; Pred. No. 30;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAAGGTCAAAGTCAAACTAGGTCAAAGGTCA 38
Db 1764 CACATCAGCATCAAAGGTCAAAGTCAACACAAAGGTCAAAGGTGA 1727

RESULT 7
US-10-264-049-778/c
; Sequence 778, Application US/10264049
; Publication No. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133P1
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 778
; LENGTH: 2886
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (110)..(110)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-778

Query Match 62.1%; Score 23.6; DB 15; Length 2886;
Best Local Similarity 76.3%; Pred. No. 32;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAAGGTCAAAGTCAAACTAGGTCAAAGGTCA 38
Db 926 CACATCAGCATCAAAGGTCAAAGTCAACACAAAGGTCAAAGGTGA 889

RESULT 8
US-10-094-749-46/c
; Sequence 46, Application US/10094749
```

```
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 2926
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-46

Query Match 62.1%; Score 23.6; DB 15; Length 2926;
Best Local Similarity 76.3%; Pred. No. 32;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAAGGTCAAAGTCAAACTAGGTCAAAGGTCA 38
Db 754 CACATCAGCATCAAAGGTCAAAGTCAACACAAAGGTCAAAGGTGA 717

RESULT 9
US-10-389-566-61
; Sequence 61, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology, LLC
; APPLICANT: Laurie, Cathy C
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10/389,566
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; PRIOR FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 61
; LENGTH: 634
; TYPE: DNA
; ORGANISM: Zea mays
US-10-389-566-61

Query Match 59.5%; Score 22.6; DB 16; Length 634;
Best Local Similarity 75.7%; Pred. No. 56;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

QY 2 AAAAAGTGGTCAAAAGGTCAAAAGTGGTCAAAAGTCA 38
|||||
Db 298 ABAACATGTTCAAAAGTCAAAAGTCAAAAGTCA 334
|||||

RESULT 10

US-10-027-632-17516
; Sequence 17516, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17516
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-17516

Query Match 56.8%; Score 21.6; DB 15; Length 467;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 AAAAAGTGGTCAAAAGGTCAAAAGTGGTCAAAAGTCA 37
|||||
Db 264 AAAATTACTTCAAAAGGTAAAGGCAAGGCAATGAC 299
|||||

RESULT 11

US-10-302-172-879
; Sequence 879, Application US/10302172
; Publication No. US20040053250A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Xue, Aidong J.
; TITLE OF INVENTION: No. US20040053250A1e1 Arginine-rich Protein-like Nucleic Acids an
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 803.1CNCP
; CURRENT APPLICATION NUMBER: US/10/302,172
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/225,251
; PRIOR FILING DATE: 2002-08-20
; PRIOR APPLICATION NUMBER: PCT US02/05095
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 09/799,451
; PRIOR FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 950
; SOFTWARE: pt_Fl_genes Version 2.0
; SEQ ID NO 879
; LENGTH: 2506
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: CDS
; LOCATION: (481)...(2154)
US-10-302-172-879

Query Match 56.8%; Score 21.6; DB 12; Length 2506;
Best Local Similarity 75.0%; Pred. No. 1.7e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3 AAACTAGGTCAAAAGGTCAAAAGTGGTCAAAAGTCA 38
|||||
Db 794 AAACCAAGTCAAAAGGCCATGCGTATGTCTAGGTCA 829
|||||

RESULT 12

US-10-198-846-11260/C
; Sequence 11260, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11260
; LENGTH: 3051
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3, 4, 5, 6, 7, 8, 9, 3045, 3046, 3047, 3048, 3049,
; LOCATION: 3050, 3051
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-11260

Query Match 56.8%; Score 21.6; DB 14; Length 3051;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3 AAACTAGGTCAAAAGGTCAAAAGTGGTCAAAAGTCA 38
|||||
Db 1864 AAACCAAGTCAAAAGGCCATGCGTATGTCTAGGTCA 1829
|||||

RESULT 13

US-09-813-320-3
; Sequence 3, Application US/09813320
; Patent No. US20020142378A1
; GENERAL INFORMATION:
; APPLICANT: ZHANG, Hongyu et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001172
; CURRENT APPLICATION NUMBER: US/09/813,320
; CURRENT FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 397658
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature

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; LOCATION: (1)...(397658)
; OTHER INFORMATION: n = A,T,C or G
US-09-813-320-3

Query Match      56.8%; Score 21.6; DB 9; Length 397658;
Best Local Similarity 75.0%; Pred. No. 4.4e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 AAAAAGTCTAGGTCAAAAGTCTAGGTCAAAAGTCT 37
   |||||  |||||  |||||  |||||  |||||  |||||
DB 292121 AAGACTCGTAAAGTTAGAACTAGAGGCAAGTCT 292156

RESULT 14
US-09-764-860-1054/c
; Sequence 1054, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09/764,860
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1054
; LENGTH: 14654
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-860-1054

Query Match      56.3%; Score 21.4; DB 9; Length 14654;
Best Local Similarity 80.6%; Pred. No. 2.9e+02;
Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 8 AGGTCAAAAGTCTAAAGTCTAGGTCAAAAGTCTA 38
   |||||  |||||  |||||  |||||  |||||  |||||
DB 5366 AGGACAGAGGGCAAGCCAGGTCAAAAGGGCA 5336

RESULT 15
US-10-074-095-1054/c
; Sequence 1054, Application US/10074095
; Publication No. US20030077704A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C1
; CURRENT APPLICATION NUMBER: US/10/074,095
; CURRENT FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: 09/764,860
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
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; PRIOR FILING DATE: 2000-10-02
 ; PRIOR APPLICATION NUMBER: 60/237,940
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 ; PRIOR APPLICATION NUMBER: 60/240,960
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 ; PRIOR APPLICATION NUMBER: 60/239,935
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 ; PRIOR APPLICATION NUMBER: 60/239,937
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 ; PRIOR APPLICATION NUMBER: 60/241,787
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/246,474
 ; PRIOR FILING DATE: 2000-11-08
 ; PRIOR APPLICATION NUMBER: 60/246,532
 ; PRIOR FILING DATE: 2000-11-08
 ; PRIOR APPLICATION NUMBER: 60/249,216
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 ; PRIOR FILING DATE: 2000-11-17
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 ; PRIOR FILING DATE: 2000-08-22
 ; PRIOR APPLICATION NUMBER: 60/225,214
 ; PRIOR FILING DATE: 2000-08-14
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 ; PRIOR FILING DATE: 2000-09-27
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 ; PRIOR FILING DATE: 2000-09-06
 ; PRIOR APPLICATION NUMBER: 60/215,135
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: 60/225,266
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 ; PRIOR APPLICATION NUMBER: 60/249,218
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 ; PRIOR FILING DATE: 2000-11-17
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 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: 60/232,400
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/231,242
 ; PRIOR FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: 60/232,081
 ; PRIOR FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: 60/232,080
 ; PRIOR FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: 60/231,414
 ; PRIOR FILING DATE: 2000-09-08

; PRIOR APPLICATION NUMBER: 60/231,244
 ; PRIOR FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: 60/233,064
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/233,063
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/232,397
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/232,399
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/232,401
 ; PRIOR FILING DATE: 2000-09-14
 ; PRIOR APPLICATION NUMBER: 60/241,808
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/241,826
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/241,786
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/241,221
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/246,475
 ; PRIOR FILING DATE: 2000-11-08
 ; PRIOR APPLICATION NUMBER: 60/231,243
 ; PRIOR FILING DATE: 2000-09-08

Query Match 56.3%; Score 21.4; DB 14; Length 14654;
 Best Local Similarity 80.6%; Pred. No. 2.9e+02;
 Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 8 AGGTCAAAGGTCAAAGTAACTAGGTCAAAGGTCA 38
 Db 5366 AGGACAGAGGGCAAGCCAGGTCAAAGGGCA 5336

Search completed: April 9, 2004, 06:43:11
 Job time : 43.8822 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 8, 2004, 23:42:12 ; Search time 3.45924 Seconds
(without alignments)
3209.437 Million cell updates/sec

Title: US-09-808-388-1

Perfect score: 20

Sequence: 1 caaaactagggtcaaaagggtca 20

Scoring table: IDENTITY_NUC

Gapop 10_0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	15.4	77.0	587	3	US-09-053-702-3
C 3	15.2	76.0	3441	3	US-08-742-753-1
C 4	15.2	76.0	13865	3	US-09-009-217-11
C 5	15.2	76.0	13865	3	US-09-009-656-11
C 6	15.2	76.0	15894	1	US-08-348-891A-1
C 7	15.2	76.0	15894	1	US-08-905-817-1
C 8	15.2	76.0	580073	4	US-08-545-5280-1
C 9	15	75.0	2661	1	US-08-351-413-1
C 10	15	75.0	2661	2	US-09-025-583-1
C 11	15	75.0	4808	1	US-08-351-413-17
C 12	15	75.0	4808	2	US-09-025-583-17
C 13	14.8	74.0	328	4	US-09-621-976-9939
C 14	14.8	74.0	1140	4	US-09-328-352-1678
C 15	14.8	74.0	11303	4	US-08-961-527-115
C 16	14.8	74.0	14485	4	US-09-876-216-3
C 17	14.8	74.0	16595	4	US-09-146-053-7
C 18	14.8	74.0	118067	4	US-09-497-855A-32
C 19	14.4	72.0	480	4	US-09-134-000C-778
C 20	14.4	72.0	2372	4	US-09-620-312D-763
C 21	14.4	72.0	3127	4	US-09-620-312D-613
C 22	14.4	72.0	66804	4	US-09-740-041-3
C 23	14.4	72.0	161652	4	US-09-497-855A-40
C 24	14.4	72.0	1830121	4	US-09-557-884-1
C 25	14.4	72.0	1830121	4	US-09-643-990A-1
C 26	14.2	71.0	468	4	US-09-621-976-784
C 27	14.2	71.0	865	3	US-09-328-111-128

28	14.2	71.0	1026	4	US-09-394-110A-3	Sequence 3, Appli
29	14.2	71.0	1236	4	US-09-543-681A-1308	Sequence 1308, Ap
C 30	14.2	71.0	1284	4	US-09-489-039A-5681	Sequence 5681, Ap
31	14.2	71.0	1288	4	US-09-724-864-16	Sequence 16, Appli
C 32	14.2	71.0	1326	4	US-09-328-352-3628	Sequence 3628, Ap
33	14.2	71.0	1704	4	US-09-543-681A-1501	Sequence 1501, Ap
34	14.2	71.0	1846	4	US-09-336-536-37	Sequence 37, Appli
C 35	14.2	71.0	2103	3	US-08-931-952-1	Sequence 1, Appli
C 36	14.2	71.0	2103	3	US-08-272-247-1	Sequence 1, Appli
C 37	14.2	71.0	2103	5	PCT-US95-08560-1	Sequence 1, Appli
38	14.2	71.0	2849	4	US-09-221-017B-990	Sequence 990, App
39	14.2	71.0	2964	2	US-08-846-750A-2	Sequence 2, Appli
40	14.2	71.0	2964	3	US-08-935-333-2	Sequence 2, Appli
41	14.2	71.0	3083	4	US-09-976-594-1022	Sequence 1022, Ap
42	14.2	71.0	3095	4	US-09-293-549-7	Sequence 7, Appli
C 43	14.2	71.0	5521	3	US-08-975-762-48	Sequence 48, Appli
C 44	14.2	71.0	5521	3	US-09-295-028-48	Sequence 48, Appli
C 45	14.2	71.0	5521	4	US-09-106-582-48	Sequence 48, Appli

ALIGNMENTS

RESULT 1

US-09-621-976-12838/c
; Sequence 12838, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 12838
; LENGTH: 421
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-12838

Query Match 79.0%; Score 15.8; DB 4; Length 421;
Best Local Similarity 89.5%; Pred. No. 32;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY	2	AAACTAGGTCAAGGTCA	20
DB	162	AAACTAGGTCAAGGTCA	144

RESULT 2

US-09-053-702-3/c
; Sequence 3, Application US/09053702
; Patent No. 6229069
; GENERAL INFORMATION:
; APPLICANT: YAMADA, Shigehiro
; TITLE OF INVENTION: METHOD FOR CONTROLLING WATER CONTENT OF PLANT
; FILE REFERENCE: 230-122P
; CURRENT APPLICATION NUMBER: US/09/053,702
; CURRENT FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-09-053-702-3

Query Match 77.0%; Score 15.4; DB 3; Length 587;
Best Local Similarity 94.1%; Pred. No. 55;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 AACTAGGTCAGGTC 19
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Db 288 AACTAGGACAAAGGTC 272

RESULT 3
US-08-742-753-1/c
; Sequence 1, Application US/08742753
; Patent No. 5861278
; GENERAL INFORMATION:
; APPLICANT: WONG, Gordon G.
; APPLICANT: YAO, Kwok-Ming
; TITLE OF INVENTION: HNF3-delta Compositions
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,753
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R.
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5277
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8260
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3441 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..2400
; US-08-742-753-1

Query Match 76.0%; Score 15.2; DB 2; Length 3441;
Best Local Similarity 85.0%; Pred. No. 97;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAGGTC 20
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Db 2544 CATAATTAGGTCAGGCA 2525

RESULT 4
US-09-009-217-11
; Sequence 11, Application US/09009217
; Patent No. 6132729
; GENERAL INFORMATION:
; APPLICANT: Thorpe, Philip E.
; APPLICANT: King, Steven W.
; TITLE OF INVENTION: COMBINED TISSUE FACTOR AND
; TITLE OF INVENTION: CHEMOTHERAPEUTIC METHODS AND COMPOSITIONS FOR COAGULATION
; TITLE OF INVENTION: AND TUMOR TREATMENT
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee

; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,217
; FILING DATE: Concurrently Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/042,427
; FILING DATE: 27-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/036,205
; FILING DATE: 27-JAN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/035,920
; FILING DATE: 22-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Hibler, David W.
; REGISTRATION NUMBER: 41,071
; REFERENCE/DOCKET NUMBER: UTSD:536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13865 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-009-217-11

Query Match 76.0%; Score 15.2; DB 3; Length 13865;
Best Local Similarity 85.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAGGTC 20
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Db 13773 CAAATTAGGTAAGGACA 13792

RESULT 5
US-09-009-656-11
; Sequence 11, Application US/09009656
; Patent No. 6132730
; GENERAL INFORMATION:
; APPLICANT: Thorpe, Philip E.
; APPLICANT: King, Steven W.
; TITLE OF INVENTION: COMBINED TISSUE FACTOR AND FACTOR VIIa
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR COAGULATION AND TUMOR
; TITLE OF INVENTION: TREATMENT
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,656

;; FILING DATE: 10-MAR-1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: JP 3-293625
;; FILING DATE: 14-OCT-1991
;; ATTORNEY/AGENT INFORMATION:
;; NAME: PATCH, Andrew J.
;; REGISTRATION NUMBER: 32,925
;; REFERENCE/DOCKET NUMBER: KP-7501A
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-521-2297
;; TELEFAX: 703-685-0573
;; TELEX: 248425 EMBON
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15894 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 108..1682
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 1807..3327
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 3438..4442
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 5458..7107
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 7271..9121
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 9234..15782
;; US-08-905-817-1

Query Match 76.0%; Score 15.2; DB 1; Length 15894;
Best Local Similarity 85.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAAAACTAGGTCAAAGTCA 20
Db 9920 CAAACCAAGTCAAATGCA 9901

RESULT 8
US-08-545-528D-1/c
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; Patent No. 6537773
; TITLE OF INVENTION: Thereof, and Uses Thereof
; FILE REFERENCE: PB193P1
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match 76.0%; Score 15.2; DB 4; Length 580073;

Best Local Similarity 85.0%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CAAAACTAGGTCAAAGTCA 20
Db 21486 CAAACCAAGTCAAAGTCA 21467

RESULT 9
US-08-351-413-1
; Sequence 1, Application US/08351413
; Patent No. 5750867
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; APPLICANT: Leemans, Jan
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/899,072
; FILING DATE: 12-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2661 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Zea mays
; STRAIN: inbred line W-22
; PUBLICATION INFORMATION:
; AUTHORS: Hamilton et al.,
; JOURNAL: Sex Plant Reprod.
; VOLUME: 2
; PAGES: 208-
; DATE: 1989
; US-08-351-413-1

Query Match 75.0%; Score 15; DB 1; Length 2661;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAAACTAGGTCAAA 15

Db 1180 CAAACTAGGTCACA 1194

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RESULT 10
US-09-025-583-1
; Sequence 1, Application US/09025583
; Patent No. 5977433
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; APPLICANT: Leemans, Jan
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/025,583
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; APPLICATION NUMBER: US/07/899,072
; FILING DATE:
; APPLICATION NUMBER: US/07/970,849
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2661 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Zea mays
; STRAIN: inbred line W-22
; PUBLICATION INFORMATION:
; AUTHORS: Hamilton et al.,
; JOURNAL: Sex Plant Reprod.
; VOLUME: 2
; PAGES: 208-
; DATE: 1989
US-09-025-583-1
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Query Match 75.0%; Score 15; DB 2; Length 2661;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CAAACTAGGTCACA 15
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Db 1180 CAAACTAGGTCACA 1194
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RESULT 11
US-08-351-413-17/c
; Sequence 17, Application US/08351413
; Patent No. 5750667
; GENERAL INFORMATION:
; APPLICANT: Williams, Mark
; APPLICANT: Leemans, Jan
; TITLE OF INVENTION: Maintenance of male-sterile plants
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 2046
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/351,413
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/899,072
; FILING DATE: 12-JUN-1992
; APPLICATION NUMBER: US/07/970,849
; FILING DATE: 03-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30,330
; REFERENCE/DOCKET NUMBER: 2121-102PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4808 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: EcoRI-HindIII fragment of plasmid pTS218
; FEATURE:
; NAME/KEY: -
; LOCATION: complement (18..401)
; OTHER INFORMATION: /label= 3'nos
; OTHER INFORMATION: /note= "3' regulatory sequence containing the
; OTHER INFORMATION: polyadenylation site derived from Agrobacterium
; OTHER INFORMATION: T-DNA nopaline synthase gene"
; FEATURE:
; NAME/KEY: -
; LOCATION: complement (402..737)
; OTHER INFORMATION: /label= barnase
; OTHER INFORMATION: /note= "coding region of the barnase gene of
; OTHER INFORMATION: Bacillus amyloliquefaciens"
; FEATURE:
; NAME/KEY: -
; LOCATION: complement (738..1944)
; OTHER INFORMATION: /label= PZM13
; OTHER INFORMATION: /note= "promoter region of the Zm13 gene of Zea
; OTHER INFORMATION: mays"
; FEATURE:
; NAME/KEY: -
; LOCATION: complement (1945..2281)
; OTHER INFORMATION: /label= 3'nos
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LOCATION: 3100...3932
OTHER INFORMATION: /label= 35S3
OTHER INFORMATION: /note= "35S3" promoter sequence derived from
OTHER INFORMATION: cauliflower mosaic virus isolate CabbB-UI"
FEATURE:
NAME/KEY: -
LOCATION: 3933...4484
OTHER INFORMATION: /label= bar
OTHER INFORMATION: /note= "coding region of the phosphinothricin
OTHER INFORMATION: acetyltransferase gene"
FEATURE:
NAME/KEY: -
LOCATION: 4485...4763
OTHER INFORMATION: /label= 3'nos
FEATURE:
NAME/KEY: -
LOCATION: 2333...2356
OTHER INFORMATION: /label= BXOL2
OTHER INFORMATION: /note= "region corresponding to oligonucleotide
OTHER INFORMATION: BXOL2"
FEATURE:
NAME/KEY: -
LOCATION: complement (2538...2586)
OTHER INFORMATION: /label= TA29SBXOL2
OTHER INFORMATION: /note= "region complementary to oligonucleotide
OTHER INFORMATION: TA29SBXOL2"
FEATURE:
NAME/KEY: -
LOCATION: complement (2800...2823)
OTHER INFORMATION: /label= PTA29OL5
OTHER INFORMATION: /note= "region complementary to part of
OTHER INFORMATION: oligonucleotide PTA29OL5"
US-09-025-583-17

Query Match 75.0%; Score 15; DB 2; Length 4808;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCACAA 15
Db 984 CAAACTAGGTCACAA 970

RESULT 13
US-09-621-976-9939
Sequence 9939, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Giordano, J.V.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 9939
LENGTH: 328
TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-9939

Query Match 74.0%; Score 14.8; DB 4; Length 328;
Best Local Similarity 88.9%; Pred. No. 1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 AACTAGGTCACAAAGTCA 20
Db 31 AACTAGGTCACAAAGTCA 48

RESULT 14

US-09-328-352-1678/c
Sequence 1678, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 1678
LENGTH: 1140
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-1678

Query Match 74.0%; Score 14.8; DB 4; Length 1140;
Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ABAACTAGGTCACAAAGTC 19
Db 986 ABAAGTTGGTCAAGGTC 969

RESULT 15
US-08-961-527-115/c
Sequence 115, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 115:
SEQUENCE CHARACTERISTICS:
LENGTH: 11303 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-115

Query Match 74.0%; Score 14.8; DB 4; Length 11303;
Best Local Similarity 88.9%; Pred. No. 2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCACAAAGT 18

Fri Apr 9 06:51:30 2004

us-09-808-388-1.rni

Page 8

Db 7784 CAAAACAGGTCAGGGT 7767

Search completed: April 9, 2004, 01:27:40
Job time : 7.45824 secs

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OM nucleic - nucleic search, using sw model

Run on: April 9, 2004, 01:11:07 ; Search time 22.5696 Seconds
(without alignments)
3324.350 Million cell updates/sec

Title: US-09-808-388-1

Perfect score: 20

Sequence: 1 caaaactaggtcaaaagtca 20

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
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- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09D_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	20	100.0	20	10	US-09-877-705A-67
3	20	100.0	20	10	US-09-877-705A-68
4	20	100.0	20	10	US-09-877-738A-67
5	20	100.0	20	10	US-09-877-738A-68
6	20	100.0	38	9	US-09-808-388-2
7	20	100.0	41	9	US-09-808-388-3
8	20	100.0	52	9	US-09-808-388-4
9	20	100.0	60	10	US-09-877-705A-142
10	20	100.0	60	10	US-09-877-738A-142
11	20	100.0	332	9	US-09-808-388-6
12	18	90.0	18	12	US-10-366-715-9
13	17	85.0	25	13	US-10-113-877-133
14	16.8	84.0	506	10	US-09-764-891-72
15	16.4	82.0	18	12	US-10-366-715-11

C 16	16.4	82.0	1657	12	US-10-424-599-121181	Sequence 121181, App
C 17	16.4	82.0	2286	14	US-10-153-668-389	Sequence 389, App
C 18	16.4	82.0	2473	14	US-10-153-668-383	Sequence 383, App
C 19	16.4	82.0	2473	14	US-10-153-668-385	Sequence 385, App
C 20	16.4	82.0	2572	14	US-10-153-668-387	Sequence 387, App
C 21	16.4	82.0	2584	14	US-10-153-668-391	Sequence 391, App
C 22	16.4	82.0	4292	12	US-09-925-298-179	Sequence 179, App
C 23	16.4	82.0	4292	14	US-10-102-806-179	Sequence 179, App
C 24	16.4	82.0	5516	14	US-10-153-668-271	Sequence 271, App
C 25	16	80.0	724	15	US-10-027-632-14617	Sequence 14617, A
C 26	15.8	79.0	31	15	US-10-238-960-22	Sequence 22, Appl
C 27	15.8	79.0	659	15	US-10-027-632-11556	Sequence 11556, A
C 28	15.8	79.0	878	14	US-10-198-846-13893	Sequence 13893, A
C 29	15.8	79.0	1269	12	US-10-210-281-11	Sequence 11, Appl
C 30	15.8	79.0	1287	12	US-10-210-281-9	Sequence 9, Appl
C 31	15.8	79.0	1437	15	US-10-369-493-46204	Sequence 46204, A
C 32	15.8	79.0	1865	15	US-10-027-632-97508	Sequence 97508, A
C 33	15.8	79.0	1865	15	US-10-027-632-99082	Sequence 99082, A
C 34	15.8	79.0	1892	12	US-10-424-599-56718	Sequence 56718, A
C 35	15.8	79.0	2012	12	US-10-221-278-422	Sequence 422, App
C 36	15.8	79.0	2012	15	US-10-291-172-422	Sequence 422, App
C 37	15.8	79.0	3254	14	US-10-157-031-138	Sequence 138, App
C 38	15.8	79.0	3266	15	US-10-108-260A-545	Sequence 545, App
C 39	15.8	79.0	3276	12	US-10-221-278-46	Sequence 46, Appl
C 40	15.8	79.0	3276	14	US-10-119-428-49	Sequence 49, Appl
C 41	15.8	79.0	3276	15	US-10-291-172-46	Sequence 46, Appl
C 42	15.8	79.0	6158	10	US-09-764-891-8513	Sequence 8513, App
C 43	15.8	79.0	193357	15	US-10-085-117-142	Sequence 142, App
C 44	15.4	77.0	386	10	US-09-960-706-580	Sequence 580, App
C 45	15.4	77.0	386	10	US-09-873-319-357	Sequence 357, App

ALIGNMENTS

RESULT 1

US-09-808-388-1
; Sequence 1, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; FILE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE element
US-09-808-388-1

Query Match 100.0%; Score 20; DB 9; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAAAACCTAGGTCAAAGGTCA 20
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Db 1 CAAAACCTAGGTCAAAGGTCA 20

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RESULT 2
US-09-877-705A-67
; Sequence 67, Application US/09877705A
; Publication No. US2003008283A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD FOR SCREENING FOR DRUG CANDIDATES FOR MODULATING TRANSCRIPTION FACTOR ACTIVITY
; FILE REFERENCE: 26757-704
; CURRENT APPLICATION NUMBER: US/09/877,705A
; CURRENT FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Transcription factor probe PP67
US-09-877-705A-67

Query Match      100.0%; Score 20; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CAAAAGTGGTCAAAAGGTCA 20
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Db      1 CAAAAGTGGTCAAAAGGTCA 20
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RESULT 3
US-09-877-705A-68/c
; Sequence 68, Application US/09877705A
; Publication No. US2003008283A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD FOR SCREENING FOR DRUG CANDIDATES FOR MODULATING TRANSCRIPTION FACTOR ACTIVITY
; FILE REFERENCE: 26757-704
; CURRENT APPLICATION NUMBER: US/09/877,705A
; CURRENT FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Transcription factor probe PP68
US-09-877-705A-68

Query Match      100.0%; Score 20; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 CAAAAGTGGTCAAAAGGTCA 20
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RESULT 4
US-09-877-738A-67
; Sequence 67, Application US/09877738A
; Publication No. US20030022173A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD AND KIT FOR ISOLATING DNA PROBES THAT BIND TO ACTIVATED TRANSCRIPTION FACTORS
; FILE REFERENCE: 26757-701
; CURRENT APPLICATION NUMBER: US/09/877,738A
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Transcription factor probe PP67
US-09-877-738A-67

Query Match      100.0%; Score 20; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CAAAAGTGGTCAAAAGGTCA 20
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Db      20 CAAAAGTGGTCAAAAGGTCA 1
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RESULT 5
US-09-877-738A-68/c
; Sequence 68, Application US/09877738A
; Publication No. US20030022173A1
; GENERAL INFORMATION:
; APPLICANT: Li, Jason
; TITLE OF INVENTION: METHOD AND KIT FOR ISOLATING DNA PROBES THAT BIND TO ACTIVATED TRANSCRIPTION FACTORS
; FILE REFERENCE: 26757-701
; CURRENT APPLICATION NUMBER: US/09/877,738A
; CURRENT FILING DATE: 2001-06-01
; NUMBER OF SEQ ID NOS: 162
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Transcription factor probe PP68
US-09-877-738A-68

Query Match      100.0%; Score 20; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CAAAAGTGGTCAAAAGGTCA 20
      |||
Db      20 CAAAAGTGGTCAAAAGGTCA 1
      |||

RESULT 6
US-09-808-388-2
; Sequence 2, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezziat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising their
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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RESULT 11
US-09-808-388-6
; Sequence 6, Application US/09808388
; Patent No. US20020081719A1
; GENERAL INFORMATION:
; APPLICANT: Massaad, Charbel
; APPLICANT: Berenbaum, Francis
; APPLICANT: Olivier, Jean-Luc
; APPLICANT: Salvat, Colette
; APPLICANT: Berezat, Gilbert
; TITLE OF INVENTION: Inflammation Inducible Hybrid Promoters, Vectors Comprising them
; TITLE OF INVENTION: their uses
; FILE REFERENCE: ST00010
; CURRENT APPLICATION NUMBER: US/09/808,388
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: FR/00/03262
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: US 60/196,959
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPPE/PLA2s hybrid promoter
US-09-808-388-6

Query Match 100.0%; Score 20; DB 9; Length 332;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAGGTCA 20
|||||
Db 13 CAAACTAGGTCAAGGTCA 32

RESULT 12
US-10-366-715-9
; Sequence 9, Application US/10366715
; Publication No. US20040038249A1
; GENERAL INFORMATION:
; APPLICANT: Dattiel, Raphael
; APPLICANT: Thuillier, Vincent
; TITLE OF INVENTION: Inducible Expression Systems Employing PPAR Transcriptional
; TITLE OF INVENTION: Activators
; FILE REFERENCE: GC00026
; CURRENT APPLICATION NUMBER: US/10/366,715
; CURRENT FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPPE-con-S response element
US-10-366-715-9

Query Match 90.0%; Score 18; DB 12; Length 18;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AAAGTGGTCAAGGTCA 20
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Db 1 AAAGTGGTCAAGGTCA 18

RESULT 13
US-10-113-877-133

; Sequence 133, Application US/10113877
; Publication No. US20020177218A1
; GENERAL INFORMATION:
; APPLICANT: Fang, Yu
; APPLICANT: Wang, Xiao-Yang
; APPLICANT: Turpin, Pierre
; TITLE OF INVENTION: Methods of detecting multiple DNA
; TITLE OF INVENTION: binding protein and DNA interactions in a sample, and
; TITLE OF INVENTION: devices, systems and kits for practicing the same.
; FILE REFERENCE: CLON-071
; CURRENT APPLICATION NUMBER: US/10/113,877
; CURRENT FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: 60/280,658
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 60/314,330
; PRIOR FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 192
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 133
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-10-113-877-133

Query Match 85.0%; Score 17; DB 13; Length 25;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 AACTAGGTCAAGGTCA 20
|||||
Db 3 AACTAGGTCAAGGTCA 19

RESULT 14
US-09-764-891-72/c
; Sequence 72, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 72
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (458)
; OTHER INFORMATION: n equals a,t,g, or c
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; LOCATION: (475)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-891-72

Query Match 84.0%; Score 16.8; DB 10; Length 506;
Best Local Similarity 90.0%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CAAACTAGGTCAAGGTCA 20
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Db 413 CAAACAGGTCAATGTCA 394

RESULT 15
US-10-366-715-11/c
; Sequence 11, Application US/10366715

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; Publication No. US20040038249A1
; GENERAL INFORMATION:
; APPLICANT: Dattiel, Raphael
; APPLICANT: Thuillier, Vincent
; TITLE OF INVENTION: Inducible Expression Systems Employing PPAR Transcriptional
; TITLE OF INVENTION: Activators
; FILE REFERENCE: GC000026
; CURRENT APPLICATION NUMBER: US/10/366,715
; CURRENT FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PPRE-con-AS response element
US-10-366-715-11

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Query Match      82.0%; Score 16.4; DB 12; Length 18;
Best Local Similarity 94.4%; Pred. NO. 1.3e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      3 AAAC TAGGTCAAAGGTCA 20
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Db      18 AAAC TAGGTCA TAGGTCA 1

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Search completed: April 9, 2004, 06:43:10
Job time : 25.5696 secs

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